MSDS for #00397 - MAIMERI VENEZIA WC INDUSTRIA MAIMERI S.P.A.			Revision nr.1 Dated 19/6/2014
V PAYNE'S GR	EY '	18514	Printed on 19/6/2014 Page n. 1 / 6
	Informati	on Sheet	
SECTION 1. Identification of the s	substance/mixture a	nd of the comp	pany/undertaking
1.1. Product identifier			
Code: Product name	18514 V PAYNE'S GREY	18514	
1.2. Relevant identified uses of the substance	or mixture and uses advis	ed against	
Intended use	Water colour.		
1.3. Details of the supplier of the safety data s	sheet		
Name Full address District and Country	INDUSTRIA MAIMERI Via Gianni Maimeri, 1 20060 Mediglia Italia Tel. +39 02 90698	1	(MI)
e-mail address of the competent person responsible for the Safety Data Sheet	Fax +39 02 90698 schedesicurezza@ma		
Product distribution by	INDUSTRIA MAIMERI (MI) ITALY	S.P.A. VIA G.MAIME	RI 1 20060 BETTOLINO DI MEDIGLIA
1.4. Emergency telephone number			
For urgent inquiries refer to	Australia : 131126 USA: 1 800 222 1222 Regno Unito NHS Dire	ect (UK): +44 (0) 845 4	46 47
SECTION 2. Hazards identificatio	n.		
2.1. Classification of the substance or mixture	е.		
The product is not classified as hazardous pu amendments and supplements).	rsuant to the provisions set fo	orth in EC Regulation 1	272/2008 (CLP) (and subsequent
2.1.1. Regulation 1272/2008 (CLP) and followi	ng amendments and adjust	ments.	
Hazard classification and indication:			
2.2. Label elements.			
Hazard pictograms:			
Signal words:			
Hazard statements: Precautionary statements: 2.3. Other hazards.			
Information not available.			
<b>SECTION 3. Composition/informa</b>	ation on ingredients	•	
3.1. Substances.			
Information not relevant.			
3.2. Mixtures.			
The product does not contain substances class set forth in Directives 67/548/EEC and/or EC			
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# **SECTION 4. First aid measures.**

### 4.1. Description of first aid measures.

Not specifically necessary. Observance of good industrial hygiene is recommended.

- **4.2. Most important symptoms and effects, both acute and delayed.** No episodes of damage to health ascribable to the product have been reported.
- **4.3. Indication of any immediate medical attention and special treatment needed.** Information not available.

### **SECTION 5. Firefighting measures.**

### 5.1. Extinguishing media.

SUITABLE EXTINGUISHING EQUIPMENT The extinguishing equipment should be of the conventional kind: carbon dioxide, foam, powder and water spray. UNSUITABLE EXTINGUISHING EQUIPMENT None in particular.

### 5.2. Special hazards arising from the substance or mixture.

HAZARDS CAUSED BY EXPOSURE IN THE EVENT OF FIRE

Do not breathe combustion products.

#### 5.3. Advice for firefighters. GENERAL INFORMATION

Use jets of water to cool the containers to prevent product decomposition and the development of substances potentially hazardous for health. Always wear full fire prevention gear. Collect extinguishing water to prevent it from draining into the sewer system. Dispose of contaminated water used for extinction and the remains of the fire according to applicable regulations. SPECIAL PROTECTIVE EQUIPMENT FOR FIRE-FIGHTERS

Normal fire fighting clothing i.e. fire kit (BS EN 469), gloves (BS EN 659) and boots (HO specification A29 and A30) in combination with

self-contained open circuit positive pressure compressed air breathing apparatus (BS EN 137).

### **SECTION 6.** Accidental release measures.

# **6.1. Personal precautions, protective equipment and emergency procedures.** Use breathing equipment if fumes or powders are released into the air. These indications apply for both processing staff and those involved in emergency procedures.

### 6.2. Environmental precautions.

The product must not penetrate into the sewer system or come into contact with surface water or ground water.

### 6.3. Methods and material for containment and cleaning up.

Confine using earth or inert material. Collect as much material as possible and eliminate the rest using jets of water. Contaminated material should be disposed of in compliance with the provisions set forth in point 13.

### 6.4. Reference to other sections.

Any information on personal protection and disposal is given in sections 8 and 13.

### SECTION 7. Handling and storage.

### 7.1. Precautions for safe handling.

Before handling the product, consult all the other sections of this material safety data sheet. Avoid leakage of the product into the environment. Do not eat, drink or smoke during use.

### 7.2. Conditions for safe storage, including any incompatibilities.

Keep the product in clearly labelled containers. Keep containers away from any incompatible materials, see section 10 for details.

### 7.3. Specific end use(s).

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# SECTION 8. Exposure controls/personal protection.

### 8.1. Control parameters.

Information not available.

### 8.2. Exposure controls.

Observance of safety measures used in handling chemical substances. RESPIRATORY PROTECTION None required. EYE PROTECTION None required. HAND PROTECTION None required. SKIN PROTECTION None required.

# **SECTION 9.** Physical and chemical properties.

9.1. Information on basic physical and che	mical p	roperties.
Appearance		paste
Colour		GREY BLUE
Odour		ARABIC GUM
Odour threshold.		Not available.
pH.		
Melting point / freezing point.		Not available.
Initial boiling point.		Not available.
Boiling range.		Not available.
Flash point.	>	60 °C.
Evaporation Rate		Not available.
Flammability of solids and gases		Not available.
Lower inflammability limit.		Not available.
Upper inflammability limit.		Not available.
Lower explosive limit.		Not available.
Upper explosive limit.		Not available.
Vapour pressure.		Not available.
Vapour density		Not available.
Relative density.		0,2 Kg/l
Solubility		INSOLUBLE, DILUTE WITH WATER
Partition coefficient: n-octanol/water		Not available.
Auto-ignition temperature.		Not available.
Decomposition temperature.		Not available.
Viscosity		35.000 / 40.000 cps
Explosive properties		Not available.
Oxidising properties		Not available.
9.2. Other information.		
Solid content.		55,70 %
VOC (Directive 1999/13/EC) :		0
VOC (volatile carbon) :		0

# **SECTION 10. Stability and reactivity.**

### 10.1. Reactivity.

There are no particular risks of reaction with other substances in normal conditions of use.

### 10.2. Chemical stability.

The product is stable in normal conditions of use and storage.

### 10.3. Possibility of hazardous reactions.

No hazardous reactions are foreseeable in normal conditions of use and storage.

### 10.4. Conditions to avoid.

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SECTION 10. Stability and reactivity. ... / >>

#### **10.5. Incompatible materials.** Information not available.

# 10.6. Hazardous decomposition products.

Information not available.

## **SECTION 11.** Toxicological information.

According to currently available data, this product has not yet produced health damages. Anyway, it must be handled according to good industrial practices.

### 11.1. Information on toxicological effects.

Information not available.

## **SECTION 12. Ecological information.**

Use this product according to good working practices. Avoid littering. Inform the competent authorities, should the product reach waterways or sewers or contaminate soil or vegetation.

### 12.1. Toxicity.

Information not available.

#### 12.2. Persistence and degradability. Information not available.

**12.3. Bioaccumulative potential.** Information not available.

### **12.4. Mobility in soil.** Information not available.

### 12.5. Results of PBT and vPvB assessment.

On the basis of available data, the product does not contain any PBT or vPvB in percentage greater than 0,1%.

### 12.6. Other adverse effects.

Information not available.

# **SECTION 13. Disposal considerations.**

13.1. Waste treatment methods.

Reuse, when possible. Neat product residues should be considered special non-hazardous waste. Disposal must be performed through an authorised waste management firm, in compliance with national and local regulations. Avoid littering. Do not contaminate soil, sewers and waterways. CONTAMINATED PACKAGING Contaminated packaging must be recovered or disposed of in compliance with national waste management regulations.

## **SECTION 14. Transport information.**

The product is not dangerous under current provisions of the Code of International Carriage of Dangerous Goods by Road (ADR) and by Rail (RID), of the International Maritime Dangerous Goods Code (IMDG), and of the International Air Transport Association (IATA) regulations.

## **SECTION 15. Regulatory information.**

None.

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture.

Seveso category.

Restrictions relating to the product or contained substances pursuant to Annex XVII to EC Regulation 1907/2006. None.

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Substances in Candidate List (Art. 59 REACH).

Substances subject to authorisarion (Annex XIV REACH).

None.

Substances subject to exportation reporting pursuant to (EC) Reg. 689/2008:

None.

Substances subject to the Rotterdam Convention:

None.

Substances subject to the Stockholm Convention: None.

Healthcare controls. Information not available.

### 15.2. Chemical safety assessment.

No chemical safety assessment has been processed for the mixture and the substances it contains.

## **SECTION 16.** Other information.

LEGEND:

- ADR: European Agreement concerning the carriage of Dangerous goods by Road
- CAS NUMBER: Chemical Abstract Service Number
- CE50: Effective concentration (required to induce a 50% effect)
- CE NUMBER: Identifier in ESIS (European archive of existing substances)
- CLP: EC Regulation 1272/2008
- DNEL: Derived No Effect Level
- EmS: Emergency Schedule
- GHS: Globally Harmonized System of classification and labeling of chemicals
- IATA DGR: International Air Transport Association Dangerous Goods Regulation
- IC50: Immobilization Concentration 50%
- IMDG: International Maritime Code for dangerous goods
- IMO: International Maritime Organization
- INDEX NUMBER: Identifier in Annex VI of CLP
- LC50: Lethal Concentration 50%
- LD50: Lethal dose 50%
- OEL: Occupational Exposure Level
- PBT: Persistent bioaccumulative and toxic as REACH Regulation
- PEC: Predicted environmental Concentration
- PEL: Predicted exposure level
- PNEC: Predicted no effect concentration
- REACH: EC Regulation 1907/2006
- RID: Regulation concerning the international transport of dangerous goods by train
- TLV: Threshold Limit Value
- TLV CEILING: Concentration that should not be exceeded during any time of occupational exposure.
- TWA STEL: Short-term exposure limit
- TWA: Time-weighted average exposure limit
- VOC: Volatile organic Compounds
- vPvB: Very Persistent and very Bioaccumulative as for REACH Regulation.

#### GENERAL BIBLIOGRAPHY

- 1. Directive 1999/45/EC and following amendments
- 2. Directive 67/548/EEC and following amendments and adjustments
- 3. Regulation (EC) 1907/2006 (REACH) of the European Parliament
- 4. Regulation (EC) 1272/2008 (CLP) of the European Parliament
- 5. Regulation (EC) 790/2009 (I Atp. CLP) of the European Parliament
- 6. Regulation (EC) 453/2010 of the European Parliament
- 7. Regulation (EC) 286/2011 (II Atp. CLP) of the European Parliament
- 8. The Merck Index. 10th Edition

# V PAYNE'S GREY

# SECTION 16. Other information. ... / >>

9. Handling Chemical Safety

- 10. Niosh Registry of Toxic Effects of Chemical Substances
- 11. INRS Fiche Toxicologique (toxicological sheet)
- 12. Patty Industrial Hygiene and Toxicology
- 13. N.I. Sax Dangerous properties of Industrial Materials-7, 1989 Edition
- 14. ECHA website

Note for users:

The information contained in the present sheet are based on our own knowledge on the date of the last version. Users must verify the suitability and thoroughness of provided information according to each specific use of the product.

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This document must not be regarded as a guarantee on any specific product property.

The use of this product is not subject to our direct control; therefore, users must, under their own responsibility, comply with the current health and safety laws and regulations. The producer is relieved from any liability arising from improper uses. Provide appointed staff with adequate training on how to use chemical products.

Changes to previous review: The following sections were modified: 01 / 02 / 08 / 09 / 11 / 12 / 15 / 16. Revision nr.1 Dated 19/6/2014 Printed on 19/6/2014

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<b>V SCARLET</b>	18	8274	Printed on 19/6/2014 Page n. 1 / 6	
	Informati	ion Sheet		
ECTION 1. Identification of the s	ubstance/mixture a	and of the cor	npany/undertaking	
1. Product identifier				
Code: Product name	18274 V SCARLET	18274		
2. Relevant identified uses of the substance	or mixture and uses advis	ed against		
Intended use	Water colour.			
.3. Details of the supplier of the safety data s	heet			
Name	INDUSTRIA MAIMER			
Full address District and Country	Via Gianni Maimeri, 1 20060 Mediglia	1	(MI)	
	Italia Tel. +39 02 90698	31		
e-mail address of the competent person	Fax +39 02 90698	3999		
responsible for the Safety Data Sheet	schedesicurezza@m	aimeri.it		
Product distribution by	INDUSTRIA MAIMER (MI) ITALY	I S.P.A. VIA G.MAI	MERI 1 20060 BETTOLINO DI MEDIGLIA	
4. Emergency telephone number				
For urgent inquiries refer to	Australia : 131126 USA:  1 800 222 1222 Regno Unito NHS Dir		45 46 47	
SECTION 2. Hazards identification	n.			
1. Classification of the substance or mixture				
The product is not classified as hazardous purs amendments and supplements).	suant to the provisions set f	orth in EC Regulatio	on 1272/2008 (CLP) (and subsequent	
1.1. Regulation 1272/2008 (CLP) and followin	ng amendments and adjus	tments.		
Hazard classification and indication:				
.2. Label elements.				
Hazard pictograms:				
Signal words:				
Hazard statements:				
Precautionary statements: .3. Other hazards.				
Information not available.				
SECTION 3. Composition/informa	tion on ingredients	<b>;</b> .		
1. Substances.				
Information not relevant.				
.2. Mixtures.				
The product does not contain substances class set forth in Directives 67/548/EEC and/or EC F				
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# **INDUSTRIA MAIMERI S.P.A.**

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# **SECTION 4. First aid measures.**

### 4.1. Description of first aid measures.

Not specifically necessary. Observance of good industrial hygiene is recommended.

- **4.2. Most important symptoms and effects, both acute and delayed.** No episodes of damage to health ascribable to the product have been reported.
- **4.3. Indication of any immediate medical attention and special treatment needed.** Information not available.

## **SECTION 5. Firefighting measures.**

### 5.1. Extinguishing media.

SUITABLE EXTINGUISHING EQUIPMENT The extinguishing equipment should be of the conventional kind: carbon dioxide, foam, powder and water spray. UNSUITABLE EXTINGUISHING EQUIPMENT None in particular.

## 5.2. Special hazards arising from the substance or mixture.

HAZARDS CAUSED BY EXPOSURE IN THE EVENT OF FIRE

Do not breathe combustion products.

#### 5.3. Advice for firefighters. GENERAL INFORMATION

Use jets of water to cool the containers to prevent product decomposition and the development of substances potentially hazardous for health. Always wear full fire prevention gear. Collect extinguishing water to prevent it from draining into the sewer system. Dispose of contaminated water used for extinction and the remains of the fire according to applicable regulations. SPECIAL PROTECTIVE EQUIPMENT FOR FIRE-FIGHTERS

Normal fire fighting clothing i.e. fire kit (BS EN 469), gloves (BS EN 659) and boots (HO specification A29 and A30) in combination with self-contained open circuit positive pressure compressed air breathing apparatus (BS EN 137).

## **SECTION 6.** Accidental release measures.

# **6.1. Personal precautions, protective equipment and emergency procedures.** Use breathing equipment if fumes or powders are released into the air. These indications apply for both processing staff and those involved in emergency procedures.

### 6.2. Environmental precautions.

The product must not penetrate into the sewer system or come into contact with surface water or ground water.

### 6.3. Methods and material for containment and cleaning up.

Confine using earth or inert material. Collect as much material as possible and eliminate the rest using jets of water. Contaminated material should be disposed of in compliance with the provisions set forth in point 13.

### 6.4. Reference to other sections.

Any information on personal protection and disposal is given in sections 8 and 13.

### SECTION 7. Handling and storage.

### 7.1. Precautions for safe handling.

Before handling the product, consult all the other sections of this material safety data sheet. Avoid leakage of the product into the environment. Do not eat, drink or smoke during use.

### 7.2. Conditions for safe storage, including any incompatibilities.

Keep the product in clearly labelled containers. Keep containers away from any incompatible materials, see section 10 for details.

### 7.3. Specific end use(s).

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# SECTION 8. Exposure controls/personal protection.

### 8.1. Control parameters.

Information not available.

### 8.2. Exposure controls.

Observance of safety measures used in handling chemical substances. RESPIRATORY PROTECTION None required. EYE PROTECTION None required. HAND PROTECTION None required. SKIN PROTECTION None required.

# **SECTION 9.** Physical and chemical properties.

9.1. Information on basic physical and chem	nical p	properties.
Appearance	-	paste
Colour		red
Odour		ARABIC GUM
Odour threshold.		Not available.
pH.		
Melting point / freezing point.		Not available.
Initial boiling point.		Not available.
Boiling range.		Not available.
Flash point.	>	60 °C.
Evaporation Rate		Not available.
Flammability of solids and gases		Not available.
Lower inflammability limit.		Not available.
Upper inflammability limit.		Not available.
Lower explosive limit.		Not available.
Upper explosive limit.		Not available.
Vapour pressure.		Not available.
Vapour density		Not available.
Relative density.		0,2 Kg/l
Solubility		INSOLUBLE, DILUTE WITH WATER
Partition coefficient: n-octanol/water		Not available.
Auto-ignition temperature.		Not available.
Decomposition temperature.		Not available.
Viscosity		35.000 / 40.000 cps
Explosive properties		Not available.
Oxidising properties		Not available.
9.2. Other information.		
Solid content.		48,32 %
VOC (Directive 1999/13/EC) :		0
VOC (volatile carbon) :		0

# **SECTION 10. Stability and reactivity.**

### 10.1. Reactivity.

There are no particular risks of reaction with other substances in normal conditions of use.

### 10.2. Chemical stability.

The product is stable in normal conditions of use and storage.

### 10.3. Possibility of hazardous reactions.

No hazardous reactions are foreseeable in normal conditions of use and storage.

### 10.4. Conditions to avoid.

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SECTION 10. Stability and reactivity. ... / >>

# 10.5. Incompatible materials.

Information not available.

## 10.6. Hazardous decomposition products.

Information not available.

## **SECTION 11.** Toxicological information.

According to currently available data, this product has not yet produced health damages. Anyway, it must be handled according to good industrial practices.

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### 11.1. Information on toxicological effects.

Information not available.

## **SECTION 12. Ecological information.**

Use this product according to good working practices. Avoid littering. Inform the competent authorities, should the product reach waterways or sewers or contaminate soil or vegetation.

### 12.1. Toxicity.

Information not available.

#### 12.2. Persistence and degradability. Information not available.

**12.3. Bioaccumulative potential.** Information not available.

# 12.4. Mobility in soil.

Information not available.

### 12.5. Results of PBT and vPvB assessment.

On the basis of available data, the product does not contain any PBT or vPvB in percentage greater than 0,1%.

### 12.6. Other adverse effects.

Information not available.

## **SECTION 13.** Disposal considerations.

### 13.1. Waste treatment methods.

Reuse, when possible. Neat product residues should be considered special non-hazardous waste. Disposal must be performed through an authorised waste management firm, in compliance with national and local regulations. Avoid littering. Do not contaminate soil, sewers and waterways. CONTAMINATED PACKAGING Contaminated packaging must be recovered or disposed of in compliance with national waste management regulations.

## **SECTION 14. Transport information.**

The product is not dangerous under current provisions of the Code of International Carriage of Dangerous Goods by Road (ADR) and by Rail (RID), of the International Maritime Dangerous Goods Code (IMDG), and of the International Air Transport Association (IATA) regulations.

### **SECTION 15. Regulatory information.**

None.

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture.

Seveso category.

Restrictions relating to the product or contained substances pursuant to Annex XVII to EC Regulation 1907/2006. None.

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<b>V SCARLET</b>	18274	Printed on 19/6/2014 Page n. 5 / 6	
ECTION 15. Regulatory information / >>			
Substances in Candidate List (Art. 59 REACH). None.			
Substances subject to authorisarion (Annex XIV REACH). None.	_		
Substances subject to exportation reporting pursuant to (EC None.	C) Reg. 689/2008:		
Substances subject to the Rotterdam Convention: None.			
Substances subject to the Stockholm Convention:			
Healthcare controls. Information not available.			
5.2. Chemical safety assessment.			
No chemical safety assessment has been processed for	the mixture and the substances it cor	itains.	
ECTION 16. Other information.			
LEGEND:			
- ADR: European Agreement concerning the carriage of	Dangerous goods by Road		
- CAS NUMBER: Chemical Abstract Service Number			
- CE50: Effective concentration (required to induce a 50	% effect)		
- CE NUMBER: Identifier in ESIS (European archive of	existing substances)		
- CLP: EC Regulation 1272/2008			
- DNEL: Derived No Effect Level			
- EmS: Emergency Schedule			
- GHS: Globally Harmonized System of classification an	d labeling of chemicals		
- IATA DGR: International Air Transport Association Dar	ngerous Goods Regulation		
- IC50: Immobilization Concentration 50%			
- IMDG: International Maritime Code for dangerous good	ds		
- IMO: International Maritime Organization			
- INDEX NUMBER: Identifier in Annex VI of CLP			
- LC50: Lethal Concentration 50%			
- LD50: Lethal dose 50%			
- OEL: Occupational Exposure Level			
- PBT: Persistent bioaccumulative and toxic as REACH	Regulation		
- PEC: Predicted environmental Concentration			
- PEL: Predicted exposure level			
- PNEC: Predicted no effect concentration			
- REACH: EC Regulation 1907/2006			
- RID: Regulation concerning the international transport	of dangerous goods by train		
TLV: Threshold Limit Value			

- TLV: Threshold Limit Value
  TLV CEILING: Concentration that should not be exceeded during any time of occupational exposure.
- TWA STEL: Short-term exposure limit
- TWA: Time-weighted average exposure limit VOC: Volatile organic Compounds
- vPvB: Very Persistent and very Bioaccumulative as for REACH Regulation.

### GENERAL BIBLIOGRAPHY

- 1. Directive 1999/45/EC and following amendments
- 2. Directive 67/548/EEC and following amendments and adjustments
- 3. Regulation (EC) 1907/2006 (REACH) of the European Parliament
- Regulation (EC) 1307/2008 (REPORT) of the European Parliament
   Regulation (EC) 1272/2008 (CLP) of the European Parliament
   Regulation (EC) 790/2009 (I Atp. CLP) of the European Parliament
- 6. Regulation (EC) 453/2010 of the European Parliament
- 7. Regulation (EC) 286/2011 (II Atp. CLP) of the European Parliament
- 8. The Merck Index. 10th Edition

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SECTION 16. Other information. ... / >>

9. Handling Chemical Safety

- 10. Niosh Registry of Toxic Effects of Chemical Substances
- 11. INRS Fiche Toxicologique (toxicological sheet)

**V SCARLET** 

- 12. Patty Industrial Hygiene and Toxicology
- 13. N.I. Sax Dangerous properties of Industrial Materials-7, 1989 Edition
- 14. ECHA website

Note for users:

The information contained in the present sheet are based on our own knowledge on the date of the last version. Users must verify the suitability and thoroughness of provided information according to each specific use of the product.

This document must not be regarded as a guarantee on any specific product property.

The use of this product is not subject to our direct control; therefore, users must, under their own responsibility, comply with the current health and safety laws and regulations. The producer is relieved from any liability arising from improper uses. Provide appointed staff with adequate training on how to use chemical products.

Changes to previous review: The following sections were modified: 01 / 02 / 08 / 09 / 11 / 12 / 15 / 16.

MSDS for #00397 - MAIMERI VENEZIA WC **INDUSTRIA MAIMERI S.P.A.** Revision nr.1 Dated 19/6/2014 Printed on 19/6/2014 **V ROSE LAKE** 18182 Page n. 1/6 **Information Sheet** SECTION 1. Identification of the substance/mixture and of the company/undertaking 1.1. Product identifier Code: 18182 Product name V ROSE LAKE 18182 1.2. Relevant identified uses of the substance or mixture and uses advised against Intended use Water colour. 1.3. Details of the supplier of the safety data sheet Name INDUSTRIA MAIMERI S.P.A. Full address Via Gianni Maimeri, 1 District and Country 20060 Mediglia (MI) Italia Tel. +39 02 906981 Fax +39 02 90698999 e-mail address of the competent person responsible for the Safety Data Sheet schedesicurezza@maimeri.it INDUSTRIA MAIMERI S.P.A. VIA G.MAIMERI 1 20060 BETTOLINO DI MEDIGLIA Product distribution by (MI) ITALY 1.4. Emergency telephone number Australia : 131126 For urgent inquiries refer to USA: 1 800 222 1222 Regno Unito NHS Direct (UK): +44 (0) 845 46 47 **SECTION 2. Hazards identification.** 2.1. Classification of the substance or mixture. The product is not classified as hazardous pursuant to the provisions set forth in EC Regulation 1272/2008 (CLP) (and subsequent amendments and supplements). 2.1.1. Regulation 1272/2008 (CLP) and following amendments and adjustments. Hazard classification and indication: 2.2. Label elements. Hazard pictograms: Signal words: Hazard statements: Precautionary statements: 2.3. Other hazards. Information not available. **SECTION 3. Composition/information on ingredients.** 3.1. Substances. Information not relevant. 3.2. Mixtures. The product does not contain substances classified as being hazardous to human health or the environment pursuant to the provisions set forth in Directives 67/548/EEC and/or EC Regulation 1272/2008 (CLP) (and subsequent amendments and supplements).

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# **SECTION 4. First aid measures.**

#### 4.1. Description of first aid measures.

Not specifically necessary. Observance of good industrial hygiene is recommended.

- **4.2. Most important symptoms and effects, both acute and delayed.** No episodes of damage to health ascribable to the product have been reported.
- **4.3. Indication of any immediate medical attention and special treatment needed.** Information not available.

### **SECTION 5. Firefighting measures.**

### 5.1. Extinguishing media.

SUITABLE EXTINGUISHING EQUIPMENT The extinguishing equipment should be of the conventional kind: carbon dioxide, foam, powder and water spray. UNSUITABLE EXTINGUISHING EQUIPMENT None in particular.

## 5.2. Special hazards arising from the substance or mixture.

HAZARDS CAUSED BY EXPOSURE IN THE EVENT OF FIRE

Do not breathe combustion products.

#### 5.3. Advice for firefighters. GENERAL INFORMATION

Use jets of water to cool the containers to prevent product decomposition and the development of substances potentially hazardous for health. Always wear full fire prevention gear. Collect extinguishing water to prevent it from draining into the sewer system. Dispose of contaminated water used for extinction and the remains of the fire according to applicable regulations. SPECIAL PROTECTIVE EQUIPMENT FOR FIRE-FIGHTERS

Normal fire fighting clothing i.e. fire kit (BS EN 469), gloves (BS EN 659) and boots (HO specification A29 and A30) in combination with

self-contained open circuit positive pressure compressed air breathing apparatus (BS EN 137).

### SECTION 6. Accidental release measures.

# 6.1. Personal precautions, protective equipment and emergency procedures. Use breathing equipment if fumes or powders are released into the air. These indications apply for both processing staff and those involved in emergency procedures.

### 6.2. Environmental precautions.

The product must not penetrate into the sewer system or come into contact with surface water or ground water.

### 6.3. Methods and material for containment and cleaning up.

Confine using earth or inert material. Collect as much material as possible and eliminate the rest using jets of water. Contaminated material should be disposed of in compliance with the provisions set forth in point 13.

### 6.4. Reference to other sections.

Any information on personal protection and disposal is given in sections 8 and 13.

### SECTION 7. Handling and storage.

### 7.1. Precautions for safe handling.

Before handling the product, consult all the other sections of this material safety data sheet. Avoid leakage of the product into the environment. Do not eat, drink or smoke during use.

### 7.2. Conditions for safe storage, including any incompatibilities.

Keep the product in clearly labelled containers. Keep containers away from any incompatible materials, see section 10 for details.

### 7.3. Specific end use(s).

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# SECTION 8. Exposure controls/personal protection.

### 8.1. Control parameters.

Information not available.

### 8.2. Exposure controls.

Observance of safety measures used in handling chemical substances. RESPIRATORY PROTECTION None required. EYE PROTECTION None required. HAND PROTECTION None required. SKIN PROTECTION None required.

# **SECTION 9.** Physical and chemical properties.

9.1. Information on basic physical and che	mical p	properties.
Appearance		paste
Colour		RED
Odour		ARABIC GUM
Odour threshold.		Not available.
pH.		
Melting point / freezing point.		Not available.
Initial boiling point.		Not available.
Boiling range.		Not available.
Flash point.	>	60 °C.
Evaporation Rate		Not available.
Flammability of solids and gases		Not available.
Lower inflammability limit.		Not available.
Upper inflammability limit.		Not available.
Lower explosive limit.		Not available.
Upper explosive limit.		Not available.
Vapour pressure.		Not available.
Vapour density		Not available.
Relative density.		0,2 Kg/l
Solubility		INSOLUBLE, DILUTE WITH WATER
Partition coefficient: n-octanol/water		Not available.
Auto-ignition temperature.		Not available.
Decomposition temperature.		Not available.
Viscosity		35.000 / 40.000 cps
Explosive properties		Not available.
Oxidising properties		Not available.
9.2. Other information.		
Solid content.		45,61 %
VOC (Directive 1999/13/EC) :		0
VOC (volatile carbon) :		0

# **SECTION 10. Stability and reactivity.**

### 10.1. Reactivity.

There are no particular risks of reaction with other substances in normal conditions of use.

### 10.2. Chemical stability.

The product is stable in normal conditions of use and storage.

### 10.3. Possibility of hazardous reactions.

No hazardous reactions are foreseeable in normal conditions of use and storage.

### 10.4. Conditions to avoid.

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SECTION 10. Stability and reactivity. ... / >>

# 10.5. Incompatible materials.

Information not available.

# 10.6. Hazardous decomposition products.

Information not available.

## **SECTION 11.** Toxicological information.

According to currently available data, this product has not yet produced health damages. Anyway, it must be handled according to good industrial practices.

### 11.1. Information on toxicological effects.

Information not available.

# **SECTION 12. Ecological information.**

Use this product according to good working practices. Avoid littering. Inform the competent authorities, should the product reach waterways or sewers or contaminate soil or vegetation.

### 12.1. Toxicity.

Information not available.

#### 12.2. Persistence and degradability. Information not available.

**12.3. Bioaccumulative potential.** Information not available.

# 12.4. Mobility in soil.

Information not available.

### 12.5. Results of PBT and vPvB assessment.

On the basis of available data, the product does not contain any PBT or vPvB in percentage greater than 0,1%.

### 12.6. Other adverse effects.

Information not available.

## **SECTION 13.** Disposal considerations.

### 13.1. Waste treatment methods.

Reuse, when possible. Neat product residues should be considered special non-hazardous waste. Disposal must be performed through an authorised waste management firm, in compliance with national and local regulations. Avoid littering. Do not contaminate soil, sewers and waterways. CONTAMINATED PACKAGING Contaminated packaging must be recovered or disposed of in compliance with national waste management regulations.

## **SECTION 14. Transport information.**

The product is not dangerous under current provisions of the Code of International Carriage of Dangerous Goods by Road (ADR) and by Rail (RID), of the International Maritime Dangerous Goods Code (IMDG), and of the International Air Transport Association (IATA) regulations.

## **SECTION 15. Regulatory information.**

None.

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture.

Seveso category.

Restrictions relating to the product or contained substances pursuant to Annex XVII to EC Regulation 1907/2006. None.

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Substances in Candidate List (Art. 59 REACH).

None.

Substances subject to authorisarion (Annex XIV REACH).

None.

Substances subject to exportation reporting pursuant to (EC) Reg. 689/2008:

None.

Substances subject to the Rotterdam Convention:

None.

Substances subject to the Stockholm Convention: None.

Healthcare controls. Information not available.

### 15.2. Chemical safety assessment.

No chemical safety assessment has been processed for the mixture and the substances it contains.

## **SECTION 16.** Other information.

LEGEND:

- ADR: European Agreement concerning the carriage of Dangerous goods by Road
- CAS NUMBER: Chemical Abstract Service Number
- CE50: Effective concentration (required to induce a 50% effect)
- CE NUMBER: Identifier in ESIS (European archive of existing substances)
- CLP: EC Regulation 1272/2008
- DNEL: Derived No Effect Level
- EmS: Emergency Schedule
- GHS: Globally Harmonized System of classification and labeling of chemicals
- IATA DGR: International Air Transport Association Dangerous Goods Regulation
- IC50: Immobilization Concentration 50%
- IMDG: International Maritime Code for dangerous goods
- IMO: International Maritime Organization
- INDEX NUMBER: Identifier in Annex VI of CLP
- LC50: Lethal Concentration 50%
- LD50: Lethal dose 50%
- OEL: Occupational Exposure Level
- PBT: Persistent bioaccumulative and toxic as REACH Regulation
- PEC: Predicted environmental Concentration
- PEL: Predicted exposure level
- PNEC: Predicted no effect concentration
- REACH: EC Regulation 1907/2006
- RID: Regulation concerning the international transport of dangerous goods by train
- TLV: Threshold Limit Value
- TLV CEILING: Concentration that should not be exceeded during any time of occupational exposure.
- TWA STEL: Short-term exposure limit
- TWA: Time-weighted average exposure limit
- VOC: Volatile organic Compounds
- vPvB: Very Persistent and very Bioaccumulative as for REACH Regulation.

### GENERAL BIBLIOGRAPHY

- 1. Directive 1999/45/EC and following amendments
- 2. Directive 67/548/EEC and following amendments and adjustments
- 3. Regulation (EC) 1907/2006 (REACH) of the European Parliament
- 4. Regulation (EC) 1272/2008 (CLP) of the European Parliament
- 5. Regulation (EC) 790/2009 (I Atp. CLP) of the European Parliament
- 6. Regulation (EC) 453/2010 of the European Parliament
- 7. Regulation (EC) 286/2011 (II Atp. CLP) of the European Parliament
- 8. The Merck Index. 10th Edition

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SECTION 16. Other information. ... / >>

9. Handling Chemical Safety

10. Niosh - Registry of Toxic Effects of Chemical Substances

11. INRS - Fiche Toxicologique (toxicological sheet)

12. Patty - Industrial Hygiene and Toxicology

13. N.I. Sax - Dangerous properties of Industrial Materials-7, 1989 Edition

14. ECHA website

Note for users:

The information contained in the present sheet are based on our own knowledge on the date of the last version. Users must verify the suitability and thoroughness of provided information according to each specific use of the product.

This document must not be regarded as a guarantee on any specific product property.

The use of this product is not subject to our direct control; therefore, users must, under their own responsibility, comply with the current health and safety laws and regulations. The producer is relieved from any liability arising from improper uses. Provide appointed staff with adequate training on how to use chemical products.

Changes to previous review: The following sections were modified: 01 / 02 / 08 / 09 / 11 / 12 / 15 / 16.

MSDS for #00397 - MAIMERI VENEZIA WC INDUSTRIA MAIMERI S.P.A.			Revision nr.1
			Dated 19/6/2014 Printed on 19/6/2014
V CRIMSON LAP	KE 1	8174	Page n. 1/6
	Informatio	on Sheet	
SECTION 1. Identification of the s	substance/mixture an	d of the compar	ny/undertaking
1.1. Product identifier			
Code: Product name	18174 V CRIMSON LAKE	18174	
1.2. Relevant identified uses of the substance	or mixture and uses advised	d against	
Intended use	Water colour.		
1.3. Details of the supplier of the safety data s	heet		
Name Full address District and Country	INDUSTRIA MAIMERI S Via Gianni Maimeri, 1 20060 Mediglia Italia Tel. +39 02 906981		(MI)
e-mail address of the competent person responsible for the Safety Data Sheet	Fax +39 02 9069899 schedesicurezza@mair		
Product distribution by	INDUSTRIA MAIMERI S (MI) ITALY	.P.A. VIA G.MAIMERI ′	1 20060 BETTOLINO DI MEDIGLIA
1.4. Emergency telephone number			
For urgent inquiries refer to	Australia : 131126 USA: 1 800 222 1222 Regno Unito NHS Direc	ct (UK): +44 (0) 845 46	47
SECTION 2. Hazards identification	n.		
2.1. Classification of the substance or mixture	<b>.</b>		
The product is not classified as hazardous pur amendments and supplements).	rsuant to the provisions set fort	h in EC Regulation 127	2/2008 (CLP) (and subsequent
2.1.1. Regulation 1272/2008 (CLP) and followir	ng amendments and adjustm	ients.	
Hazard classification and indication:			
2.2. Label elements.			
Hazard pictograms:			
Signal words:			
Hazard statements: Precautionary statements: 2.3. Other hazards.			
Information not available.			
SECTION 3. Composition/informa	tion on ingredients.		
3.1. Substances.			
Information not relevant.			
3.2. Mixtures.			
The product does not contain substances clas set forth in Directives 67/548/EEC and/or EC F			
			@EPY 8.1.21 - SDS 1003_

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# **SECTION 4. First aid measures.**

### 4.1. Description of first aid measures.

Not specifically necessary. Observance of good industrial hygiene is recommended.

- **4.2. Most important symptoms and effects, both acute and delayed.** No episodes of damage to health ascribable to the product have been reported.
- **4.3. Indication of any immediate medical attention and special treatment needed.** Information not available.

### **SECTION 5. Firefighting measures.**

### 5.1. Extinguishing media.

SUITABLE EXTINGUISHING EQUIPMENT The extinguishing equipment should be of the conventional kind: carbon dioxide, foam, powder and water spray. UNSUITABLE EXTINGUISHING EQUIPMENT None in particular.

## 5.2. Special hazards arising from the substance or mixture.

HAZARDS CAUSED BY EXPOSURE IN THE EVENT OF FIRE

Do not breathe combustion products.

#### 5.3. Advice for firefighters. GENERAL INFORMATION

Use jets of water to cool the containers to prevent product decomposition and the development of substances potentially hazardous for health. Always wear full fire prevention gear. Collect extinguishing water to prevent it from draining into the sewer system. Dispose of contaminated water used for extinction and the remains of the fire according to applicable regulations. SPECIAL PROTECTIVE EQUIPMENT FOR FIRE-FIGHTERS

Normal fire fighting clothing i.e. fire kit (BS EN 469), gloves (BS EN 659) and boots (HO specification A29 and A30) in combination with self-contained open circuit positive pressure compressed air breathing apparatus (BS EN 137).

### **SECTION 6.** Accidental release measures.

# **6.1. Personal precautions, protective equipment and emergency procedures.** Use breathing equipment if fumes or powders are released into the air. These indications apply for both processing staff and those involved in emergency procedures.

### 6.2. Environmental precautions.

The product must not penetrate into the sewer system or come into contact with surface water or ground water.

### 6.3. Methods and material for containment and cleaning up.

Confine using earth or inert material. Collect as much material as possible and eliminate the rest using jets of water. Contaminated material should be disposed of in compliance with the provisions set forth in point 13.

### 6.4. Reference to other sections.

Any information on personal protection and disposal is given in sections 8 and 13.

### SECTION 7. Handling and storage.

### 7.1. Precautions for safe handling.

Before handling the product, consult all the other sections of this material safety data sheet. Avoid leakage of the product into the environment. Do not eat, drink or smoke during use.

### 7.2. Conditions for safe storage, including any incompatibilities.

Keep the product in clearly labelled containers. Keep containers away from any incompatible materials, see section 10 for details.

### 7.3. Specific end use(s).

# **V CRIMSON LAKE**

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# SECTION 8. Exposure controls/personal protection.

### 8.1. Control parameters.

Information not available.

### 8.2. Exposure controls.

Observance of safety measures used in handling chemical substances. RESPIRATORY PROTECTION None required. EYE PROTECTION None required. HAND PROTECTION None required. SKIN PROTECTION None required.

# **SECTION 9.** Physical and chemical properties.

9.1. Information on basic physical and chemical	properties.
Appearance	paste
Colour	red
Odour	ARABIC GUM
Odour threshold.	Not available.
pH.	
Melting point / freezing point.	Not available.
Initial boiling point.	Not available.
Boiling range.	Not available.
Flash point. >	60 °C.
Evaporation Rate	Not available.
Flammability of solids and gases	Not available.
Lower inflammability limit.	Not available.
Upper inflammability limit.	Not available.
Lower explosive limit.	Not available.
Upper explosive limit.	Not available.
Vapour pressure.	Not available.
Vapour density	Not available.
Relative density.	0,2 Kg/l
Solubility	INSOLUBLE, DILUTE WITH WATER
Partition coefficient: n-octanol/water	Not available.
Auto-ignition temperature.	Not available.
Decomposition temperature.	Not available.
Viscosity	35.000 / 40.000 cps
Explosive properties	Not available.
Oxidising properties	Not available.
9.2. Other information.	
Solid content.	45,67 %
VOC (Directive 1999/13/EC) :	0
VOC (volatile carbon) :	0

# **SECTION 10. Stability and reactivity.**

### 10.1. Reactivity.

There are no particular risks of reaction with other substances in normal conditions of use.

### 10.2. Chemical stability.

The product is stable in normal conditions of use and storage.

### 10.3. Possibility of hazardous reactions.

No hazardous reactions are foreseeable in normal conditions of use and storage.

### 10.4. Conditions to avoid.

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SECTION 10. Stability and reactivity. ... / >>

#### **10.5. Incompatible materials.** Information not available.

# 10.6. Hazardous decomposition products.

Information not available.

## **SECTION 11.** Toxicological information.

According to currently available data, this product has not yet produced health damages. Anyway, it must be handled according to good industrial practices.

### 11.1. Information on toxicological effects.

Information not available.

# **SECTION 12. Ecological information.**

Use this product according to good working practices. Avoid littering. Inform the competent authorities, should the product reach waterways or sewers or contaminate soil or vegetation.

### 12.1. Toxicity.

Information not available.

#### 12.2. Persistence and degradability. Information not available.

**12.3. Bioaccumulative potential.** Information not available.

### **12.4. Mobility in soil.** Information not available.

information not available.

### 12.5. Results of PBT and vPvB assessment.

On the basis of available data, the product does not contain any PBT or vPvB in percentage greater than 0,1%.

### 12.6. Other adverse effects.

Information not available.

# **SECTION 13. Disposal considerations.**

### 13.1. Waste treatment methods.

Reuse, when possible. Neat product residues should be considered special non-hazardous waste. Disposal must be performed through an authorised waste management firm, in compliance with national and local regulations. Avoid littering. Do not contaminate soil, sewers and waterways. CONTAMINATED PACKAGING Contaminated packaging must be recovered or disposed of in compliance with national waste management regulations.

## **SECTION 14. Transport information.**

The product is not dangerous under current provisions of the Code of International Carriage of Dangerous Goods by Road (ADR) and by Rail (RID), of the International Maritime Dangerous Goods Code (IMDG), and of the International Air Transport Association (IATA) regulations.

## **SECTION 15. Regulatory information.**

None.

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture.

Seveso category.

Restrictions relating to the product or contained substances pursuant to Annex XVII to EC Regulation 1907/2006. None.

Item Numbers: 00397-0249

### **INDUSTRIA MAIMERI S.P.A.** Revision nr.1 Dated 19/6/2014 Printed on 19/6/2014 18174 V CRIMSON LAKE Page n. 5/6 SECTION 15. Regulatory information. ... / >> Substances in Candidate List (Art. 59 REACH). None. Substances subject to authorisarion (Annex XIV REACH). None Substances subject to exportation reporting pursuant to (EC) Reg. 689/2008: None. Substances subject to the Rotterdam Convention: None. Substances subject to the Stockholm Convention: None. Healthcare controls. Information not available. 15.2. Chemical safety assessment. No chemical safety assessment has been processed for the mixture and the substances it contains. **SECTION 16.** Other information. LEGEND: - ADR: European Agreement concerning the carriage of Dangerous goods by Road - CAS NUMBER: Chemical Abstract Service Number - CE50: Effective concentration (required to induce a 50% effect) - CE NUMBER: Identifier in ESIS (European archive of existing substances) - CLP: EC Regulation 1272/2008 - DNEL: Derived No Effect Level - EmS: Emergency Schedule - GHS: Globally Harmonized System of classification and labeling of chemicals - IATA DGR: International Air Transport Association Dangerous Goods Regulation - IC50: Immobilization Concentration 50% - IMDG: International Maritime Code for dangerous goods - IMO: International Maritime Organization - INDEX NUMBER: Identifier in Annex VI of CLP - LC50: Lethal Concentration 50% - LD50: Lethal dose 50% - OEL: Occupational Exposure Level - PBT: Persistent bioaccumulative and toxic as REACH Regulation - PEC: Predicted environmental Concentration - PEL: Predicted exposure level - PNEC: Predicted no effect concentration - REACH: EC Regulation 1907/2006 - RID: Regulation concerning the international transport of dangerous goods by train - TLV: Threshold Limit Value - TLV CEILING: Concentration that should not be exceeded during any time of occupational exposure. - TWA STEL: Short-term exposure limit - TWA: Time-weighted average exposure limit - VOC: Volatile organic Compounds - vPvB: Very Persistent and very Bioaccumulative as for REACH Regulation. GENERAL BIBLIOGRAPHY 1. Directive 1999/45/EC and following amendments 2. Directive 67/548/EEC and following amendments and adjustments 3. Regulation (EC) 1907/2006 (REACH) of the European Parliament 4. Regulation (EC) 1272/2008 (CLP) of the European Parliament 5. Regulation (EC) 790/2009 (I Atp. CLP) of the European Parliament 6. Regulation (EC) 453/2010 of the European Parliament 7. Regulation (EC) 286/2011 (II Atp. CLP) of the European Parliament 8. The Merck Index. - 10th Edition

# V CRIMSON LAKE

# SECTION 16. Other information. ... / >>

9. Handling Chemical Safety

- 10. Niosh Registry of Toxic Effects of Chemical Substances
- 11. INRS Fiche Toxicologique (toxicological sheet)
- 12. Patty Industrial Hygiene and Toxicology
- 13. N.I. Sax Dangerous properties of Industrial Materials-7, 1989 Edition
- 14. ECHA website

Note for users:

The information contained in the present sheet are based on our own knowledge on the date of the last version. Users must verify the suitability and thoroughness of provided information according to each specific use of the product.

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This document must not be regarded as a guarantee on any specific product property.

The use of this product is not subject to our direct control; therefore, users must, under their own responsibility, comply with the current health and safety laws and regulations. The producer is relieved from any liability arising from improper uses. Provide appointed staff with adequate training on how to use chemical products.

Changes to previous review: The following sections were modified: 01 / 02 / 08 / 09 / 11 / 12 / 15 / 16. Revision nr.1 Dated 19/6/2014 Printed on 19/6/2014

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INDUSTRIA MAIMERI S.P.A.			Revision nr.1 Dated 19/6/2014
V PERMANENT RI	ED LIGH	18251	Printed on 19/6/2014 Page n. 1 / 6
	Informa	tion Sheet	
SECTION 1. Identification of the s	substance/mixture	and of the comp	any/undertaking
1.1. Product identifier			
Code: Product name	18251 V PERMANENT RE	D LIGH 18251	
1.2. Relevant identified uses of the substance	or mixture and uses ad	vised against	
Intended use	Water colour.		
1.3. Details of the supplier of the safety data s	sheet		
Name Full address District and Country	INDUSTRIA MAIME Via Gianni Maimeri 20060 Mediglia Italia Tel. +39 02 906 Fax +39 02 906	981	(MI)
e-mail address of the competent person responsible for the Safety Data Sheet	schedesicurezza@		
Product distribution by	INDUSTRIA MAIME (MI) ITALY	RI S.P.A. VIA G.MAIMER	RI 1 20060 BETTOLINO DI MEDIGLIA
1.4. Emergency telephone number			
For urgent inquiries refer to	Australia : 131126 USA:  1 800 222 12 Regno Unito NHS I	22 Direct (UK): +44 (0) 845 4	16 47
SECTION 2. Hazards identificatio	n.		
2.1. Classification of the substance or mixture	Э.		
The product is not classified as hazardous pur amendments and supplements).	rsuant to the provisions se	t forth in EC Regulation 12	272/2008 (CLP) (and subsequent
2.1.1. Regulation 1272/2008 (CLP) and following	ng amendments and adj	ustments.	
Hazard classification and indication:			
2.2. Label elements.			
Hazard pictograms:			
Signal words:			
Hazard statements: Precautionary statements: 2.3. Other hazards.			
Information not available.			
SECTION 3. Composition/information	ation on ingredien	ts.	
3.1. Substances.			
Information not relevant.			
3.2. Mixtures.			
The product does not contain substances class set forth in Directives 67/548/EEC and/or EC			
			ePY 8.1.21 - SDS 1003

MSDS for #00397 - MAIMERI VENEZIA WC

# INDUSTRIA MAIMERI S.P.A.

V PERMANENT RED LIGH

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Revision nr.1 Dated 19/6/2014 Printed on 19/6/2014 Page n. 2 / 6

# **SECTION 4. First aid measures.**

### 4.1. Description of first aid measures.

Not specifically necessary. Observance of good industrial hygiene is recommended.

- **4.2. Most important symptoms and effects, both acute and delayed.** No episodes of damage to health ascribable to the product have been reported.
- **4.3. Indication of any immediate medical attention and special treatment needed.** Information not available.

## **SECTION 5. Firefighting measures.**

### 5.1. Extinguishing media.

SUITABLE EXTINGUISHING EQUIPMENT The extinguishing equipment should be of the conventional kind: carbon dioxide, foam, powder and water spray. UNSUITABLE EXTINGUISHING EQUIPMENT None in particular.

## 5.2. Special hazards arising from the substance or mixture.

HAZARDS CAUSED BY EXPOSURE IN THE EVENT OF FIRE

Do not breathe combustion products.

#### 5.3. Advice for firefighters. GENERAL INFORMATION

Use jets of water to cool the containers to prevent product decomposition and the development of substances potentially hazardous for health. Always wear full fire prevention gear. Collect extinguishing water to prevent it from draining into the sewer system. Dispose of contaminated water used for extinction and the remains of the fire according to applicable regulations. SPECIAL PROTECTIVE EQUIPMENT FOR FIRE-FIGHTERS

Normal fire fighting clothing i.e. fire kit (BS EN 469), gloves (BS EN 659) and boots (HO specification A29 and A30) in combination with self-contained open circuit positive pressure compressed air breathing apparatus (BS EN 137).

## **SECTION 6.** Accidental release measures.

# **6.1. Personal precautions, protective equipment and emergency procedures.** Use breathing equipment if fumes or powders are released into the air. These indications apply for both processing staff and those involved in emergency procedures.

### 6.2. Environmental precautions.

The product must not penetrate into the sewer system or come into contact with surface water or ground water.

### 6.3. Methods and material for containment and cleaning up.

Confine using earth or inert material. Collect as much material as possible and eliminate the rest using jets of water. Contaminated material should be disposed of in compliance with the provisions set forth in point 13.

### 6.4. Reference to other sections.

Any information on personal protection and disposal is given in sections 8 and 13.

### SECTION 7. Handling and storage.

### 7.1. Precautions for safe handling.

Before handling the product, consult all the other sections of this material safety data sheet. Avoid leakage of the product into the environment. Do not eat, drink or smoke during use.

### 7.2. Conditions for safe storage, including any incompatibilities.

Keep the product in clearly labelled containers. Keep containers away from any incompatible materials, see section 10 for details.

### 7.3. Specific end use(s).

# **V PERMANENT RED LIGH**

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# SECTION 8. Exposure controls/personal protection.

### 8.1. Control parameters.

Information not available.

### 8.2. Exposure controls.

Observance of safety measures used in handling chemical substances. RESPIRATORY PROTECTION None required. EYE PROTECTION None required. HAND PROTECTION None required. SKIN PROTECTION None required.

# **SECTION 9.** Physical and chemical properties.

9.1. Information on basic physical and chemical properties.				
Appearance		paste		
Colour		LIGHT RED		
Odour		ARABIC GUM		
Odour threshold.		Not available.		
pH.				
Melting point / freezing point.		Not available.		
Initial boiling point.		Not available.		
Boiling range.		Not available.		
Flash point.	>	60 °C.		
Evaporation Rate		Not available.		
Flammability of solids and gases		Not available.		
Lower inflammability limit.		Not available.		
Upper inflammability limit.		Not available.		
Lower explosive limit.		Not available.		
Upper explosive limit.		Not available.		
Vapour pressure.		Not available.		
Vapour density		Not available.		
Relative density.		0,2 Kg/l		
Solubility		INSOLUBLE, DILUTE WITH WATER		
Partition coefficient: n-octanol/water		Not available.		
Auto-ignition temperature.		Not available.		
Decomposition temperature.		Not available.		
Viscosity		35.000 / 40.000 cps		
Explosive properties		Not available.		
Oxidising properties		Not available.		
9.2. Other information.				
Solid content.		47,18 %		
VOC (Directive 1999/13/EC) :		0		
VOC (volatile carbon) :		0		

# **SECTION 10. Stability and reactivity.**

### 10.1. Reactivity.

There are no particular risks of reaction with other substances in normal conditions of use.

### 10.2. Chemical stability.

The product is stable in normal conditions of use and storage.

### 10.3. Possibility of hazardous reactions.

No hazardous reactions are foreseeable in normal conditions of use and storage.

### 10.4. Conditions to avoid.

# **V PERMANENT RED LIGH**

SECTION 10. Stability and reactivity. ... / >>

#### **10.5. Incompatible materials.** Information not available.

10.6. Hazardous decomposition products.

Information not available.

## **SECTION 11.** Toxicological information.

According to currently available data, this product has not yet produced health damages. Anyway, it must be handled according to good industrial practices.

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### 11.1. Information on toxicological effects.

Information not available.

## **SECTION 12. Ecological information.**

Use this product according to good working practices. Avoid littering. Inform the competent authorities, should the product reach waterways or sewers or contaminate soil or vegetation.

### 12.1. Toxicity.

Information not available.

#### **12.2. Persistence and degradability.** Information not available.

**12.3. Bioaccumulative potential.** Information not available.

# 12.4. Mobility in soil.

Information not available.

### 12.5. Results of PBT and vPvB assessment.

On the basis of available data, the product does not contain any PBT or vPvB in percentage greater than 0,1%.

### 12.6. Other adverse effects.

Information not available.

## **SECTION 13.** Disposal considerations.

13.1. Waste treatment methods.

Reuse, when possible. Neat product residues should be considered special non-hazardous waste. Disposal must be performed through an authorised waste management firm, in compliance with national and local regulations. Avoid littering. Do not contaminate soil, sewers and waterways. CONTAMINATED PACKAGING Contaminated packaging must be recovered or disposed of in compliance with national waste management regulations.

## **SECTION 14. Transport information.**

The product is not dangerous under current provisions of the Code of International Carriage of Dangerous Goods by Road (ADR) and by Rail (RID), of the International Maritime Dangerous Goods Code (IMDG), and of the International Air Transport Association (IATA) regulations.

## **SECTION 15. Regulatory information.**

None.

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture.

Seveso category.

Restrictions relating to the product or contained substances pursuant to Annex XVII to EC Regulation 1907/2006. None.

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V PERMANENT RED LIGH 1825 <sup>2</sup>	Printed on 19/6/2014 Page n. 5 / 6	
TION 15. Regulatory information / >>		
ubstances in Candidate List (Art. 59 REACH).		
one.		
ubstances subject to authorisarion (Annex XIV REACH). one.		
ubstances subject to exportation reporting pursuant to (EC) Reg. 689/2008: one.		
ubstances subject to the Rotterdam Convention: one.		
ubstances subject to the Stockholm Convention: one.		
ealthcare controls formation not available.		
. Chemical safety assessment.		
o chemical safety assessment has been processed for the mixture and the substances it c	ontains.	
CTION 16. Other information.		
ADR: European Agreement concerning the carriage of Dangerous goods by Road CAS NUMBER: Chemical Abstract Service Number CE50: Effective concentration (required to induce a 50% effect) CE NUMBER: Identifier in ESIS (European archive of existing substances) CLP: EC Regulation 1272/2008 DNEL: Derived No Effect Level EmS: Emergency Schedule GHS: Globally Harmonized System of classification and labeling of chemicals IATA DGR: International Air Transport Association Dangerous Goods Regulation IC50: Immobilization Concentration 50% IMDG: International Maritime Code for dangerous goods IMOE: International Maritime Organization INDEX NUMBER: Identifier in Annex VI of CLP LC50: Lethal Concentration 50% OEL: Occupational Exposure Level PBT: Persistent bioaccumulative and toxic as REACH Regulation PEC: Predicted environmental Concentration PEL: Predicted exposure Level PNEC: Predicted no effect concentration REACH: EC Regulation 1907/2006 RID: Regulation concerning the international transport of dangerous goods by train TLV: Threshold Limit Value TLV CEILING: Concentration that should not be exceeded during any time of occupational TWA STEL: Short-term exposure limit TWA: Time-weighted average exposure limit TWA: Time-weighted average exposure limit VOC: Volatile organic Compounds vPvB: Very Persistent and very Bioaccumulative as for REACH Regulation.	exposure.	
ENERAL BIBLIOGRAPHY Directive 1999/45/EC and following amendments Directive 67/548/EEC and following amendments and adjustments Regulation (EC) 1907/2006 (REACH) of the European Parliament Regulation (EC) 1272/2008 (CLP) of the European Parliament Regulation (EC) 790/2009 (I Atp. CLP) of the European Parliament Regulation (EC) 453/2010 of the European Parliament Regulation (EC) 286/2011 (II Atp. CLP) of the European Parliament The Merck Index 10th Edition		

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SECTION 16. Other information. ... / >>

9. Handling Chemical Safety

10. Niosh - Registry of Toxic Effects of Chemical Substances

11. INRS - Fiche Toxicologique (toxicological sheet)

12. Patty - Industrial Hygiene and Toxicology

13. N.I. Sax - Dangerous properties of Industrial Materials-7, 1989 Edition

14. ECHA website

Note for users:

The information contained in the present sheet are based on our own knowledge on the date of the last version. Users must verify the suitability and thoroughness of provided information according to each specific use of the product.

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This document must not be regarded as a guarantee on any specific product property.

The use of this product is not subject to our direct control; therefore, users must, under their own responsibility, comply with the current health and safety laws and regulations. The producer is relieved from any liability arising from improper uses. Provide appointed staff with adequate training on how to use chemical products.

Changes to previous review: The following sections were modified: 01 / 02 / 08 / 09 / 11 / 12 / 15 / 16.

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	Informa	tion Sheet	
SECTION 1. Identification of the s	ubstance/mixtur	e and of the compa	ny/undertaking
I.1. Product identifier			
Code: Product name	18253 V PERMANENT R	ED DEEP 18253	
.2. Relevant identified uses of the substance	or mixture and uses a	lvised against	
Intended use	Water colour.		
I.3. Details of the supplier of the safety data sh	neet		
Name Full address District and Country	INDUSTRIA MAIM Via Gianni Maime 20060 Mediglia Italia Tel. +39 02 90	ri, 1 6981	(MI)
e-mail address of the competent person responsible for the Safety Data Sheet	Fax +39 02 90 schedesicurezza@		
Product distribution by	INDUSTRIA MAIM (MI) ITALY	ERI S.P.A. VIA G.MAIMERI	1 20060 BETTOLINO DI MEDIGLIA
I.4. Emergency telephone number			
For urgent inquiries refer to	Australia : 131126 USA: 1 800 222 1 Regno Unito NHS		47
SECTION 2. Hazards identification	).		
2.1. Classification of the substance or mixture.			
The product is not classified as hazardous purs amendments and supplements).	suant to the provisions s	et forth in EC Regulation 127	72/2008 (CLP) (and subsequent
2.1.1. Regulation 1272/2008 (CLP) and followin	g amendments and ad	justments.	
Hazard classification and indication:			
2.2. Label elements.			
Hazard pictograms:			
Signal words:			
Hazard statements: Precautionary statements: 2.3. Other hazards.			
Information not available.			
SECTION 3. Composition/information	tion on ingredie	nts.	
3.1. Substances.			
Information not relevant.			
3.2. Mixtures.			
The product does not contain substances class set forth in Directives 67/548/EEC and/or EC R			
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# V PERMANENT RED DEEP

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## **SECTION 4. First aid measures.**

### 4.1. Description of first aid measures.

Not specifically necessary. Observance of good industrial hygiene is recommended.

- **4.2. Most important symptoms and effects, both acute and delayed.** No episodes of damage to health ascribable to the product have been reported.
- **4.3. Indication of any immediate medical attention and special treatment needed.** Information not available.

## **SECTION 5. Firefighting measures.**

### 5.1. Extinguishing media.

SUITABLE EXTINGUISHING EQUIPMENT The extinguishing equipment should be of the conventional kind: carbon dioxide, foam, powder and water spray. UNSUITABLE EXTINGUISHING EQUIPMENT None in particular.

## 5.2. Special hazards arising from the substance or mixture.

HAZARDS CAUSED BY EXPOSURE IN THE EVENT OF FIRE

Do not breathe combustion products.

#### 5.3. Advice for firefighters. GENERAL INFORMATION

Use jets of water to cool the containers to prevent product decomposition and the development of substances potentially hazardous for health. Always wear full fire prevention gear. Collect extinguishing water to prevent it from draining into the sewer system. Dispose of contaminated water used for extinction and the remains of the fire according to applicable regulations. SPECIAL PROTECTIVE EQUIPMENT FOR FIRE-FIGHTERS

Normal fire fighting clothing i.e. fire kit (BS EN 469), gloves (BS EN 659) and boots (HO specification A29 and A30) in combination with self-contained open circuit positive pressure compressed air breathing apparatus (BS EN 137).

## **SECTION 6.** Accidental release measures.

# **6.1. Personal precautions, protective equipment and emergency procedures.** Use breathing equipment if fumes or powders are released into the air. These indications apply for both processing staff and those involved in emergency procedures.

### 6.2. Environmental precautions.

The product must not penetrate into the sewer system or come into contact with surface water or ground water.

### 6.3. Methods and material for containment and cleaning up.

Confine using earth or inert material. Collect as much material as possible and eliminate the rest using jets of water. Contaminated material should be disposed of in compliance with the provisions set forth in point 13.

### 6.4. Reference to other sections.

Any information on personal protection and disposal is given in sections 8 and 13.

### SECTION 7. Handling and storage.

### 7.1. Precautions for safe handling.

Before handling the product, consult all the other sections of this material safety data sheet. Avoid leakage of the product into the environment. Do not eat, drink or smoke during use.

### 7.2. Conditions for safe storage, including any incompatibilities.

Keep the product in clearly labelled containers. Keep containers away from any incompatible materials, see section 10 for details.

### 7.3. Specific end use(s).

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### **SECTION 8. Exposure controls/personal protection.**

### 8.1. Control parameters.

Information not available.

### 8.2. Exposure controls.

Observance of safety measures used in handling chemical substances. RESPIRATORY PROTECTION None required. EYE PROTECTION None required. HAND PROTECTION None required. SKIN PROTECTION None required.

## **SECTION 9.** Physical and chemical properties.

9.1. Information on basic physical and chem	ical p	properties.
Appearance		paste
Colour		dark red
Odour		ARABIC GUM
Odour threshold.		Not available.
pH.		
Melting point / freezing point.		Not available.
Initial boiling point.		Not available.
Boiling range.		Not available.
Flash point.	>	60 °C.
Evaporation Rate		Not available.
Flammability of solids and gases		Not available.
Lower inflammability limit.		Not available.
Upper inflammability limit.		Not available.
Lower explosive limit.		Not available.
Upper explosive limit.		Not available.
Vapour pressure.		Not available.
Vapour density		Not available.
Relative density.		0,2 Kg/l
Solubility		INSOLUBLE, DILUTE WITH WATER
Partition coefficient: n-octanol/water		Not available.
Auto-ignition temperature.		Not available.
Decomposition temperature.		Not available.
Viscosity		35.000 / 40.000 cps
Explosive properties		Not available.
Oxidising properties		Not available.
9.2. Other information.		
Solid content.		47,15 %
VOC (Directive 1999/13/EC) :		0
VOC (volatile carbon) :		0

# **SECTION 10. Stability and reactivity.**

### 10.1. Reactivity.

There are no particular risks of reaction with other substances in normal conditions of use.

### 10.2. Chemical stability.

The product is stable in normal conditions of use and storage.

#### 10.3. Possibility of hazardous reactions.

No hazardous reactions are foreseeable in normal conditions of use and storage.

### 10.4. Conditions to avoid.

# V PERMANENT RED DEEP

SECTION 10. Stability and reactivity. ... / >>

#### **10.5. Incompatible materials.** Information not available.

mormation not available.

## 10.6. Hazardous decomposition products.

Information not available.

## **SECTION 11.** Toxicological information.

According to currently available data, this product has not yet produced health damages. Anyway, it must be handled according to good industrial practices.

### 11.1. Information on toxicological effects.

Information not available.

## **SECTION 12. Ecological information.**

Use this product according to good working practices. Avoid littering. Inform the competent authorities, should the product reach waterways or sewers or contaminate soil or vegetation.

### 12.1. Toxicity.

Information not available.

#### **12.2. Persistence and degradability.** Information not available.

- **12.3. Bioaccumulative potential.** Information not available.
- 12.4. Mobility in soil.

Information not available.

### 12.5. Results of PBT and vPvB assessment.

On the basis of available data, the product does not contain any PBT or vPvB in percentage greater than 0,1%.

### 12.6. Other adverse effects.

Information not available.

## **SECTION 13.** Disposal considerations.

### 13.1. Waste treatment methods.

Reuse, when possible. Neat product residues should be considered special non-hazardous waste. Disposal must be performed through an authorised waste management firm, in compliance with national and local regulations. Avoid littering. Do not contaminate soil, sewers and waterways. CONTAMINATED PACKAGING Contaminated packaging must be recovered or disposed of in compliance with national waste management regulations.

## **SECTION 14. Transport information.**

The product is not dangerous under current provisions of the Code of International Carriage of Dangerous Goods by Road (ADR) and by Rail (RID), of the International Maritime Dangerous Goods Code (IMDG), and of the International Air Transport Association (IATA) regulations.

## **SECTION 15. Regulatory information.**

None.

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture.

Seveso category.

Restrictions relating to the product or contained substances pursuant to Annex XVII to EC Regulation 1907/2006. None.

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CTION 15. Regulatory information/>>			
Substances in Candidate List (Art. 59 REACH).			
None.			
Substances subject to authorisarion (Annex XIV REACH) None.			
Substances subject to exportation reporting pursuant to (EC) Reg. 689/2008: None.			
Substances subject to the Rotterdam Convention: None.			
Substances subject to the Stockholm Convention:			
Healthcare controls. Information not available.			
.2. Chemical safety assessment.			
No chemical safety assessment has been processed for the mixture and the sub-	tances it contains		
ECTION 16. Other information.			
LEGEND:			
- ADR: European Agreement concerning the carriage of Dangerous goods by Ro	ad		
- CAS NUMBER: Chemical Abstract Service Number			
<ul> <li>CE50: Effective concentration (required to induce a 50% effect)</li> <li>CE NUMBER: Identifier in ESIS (European archive of existing substances)</li> </ul>			
- CLP: EC Regulation 1272/2008			
- DNEL: Derived No Effect Level			
- EmS: Emergency Schedule			
- GHS: Globally Harmonized System of classification and labeling of chemicals			
- IATA DGR: International Air Transport Association Dangerous Goods Regulatio	n		
- IC50: Immobilization Concentration 50%			
<ul> <li>IMDG: International Maritime Code for dangerous goods</li> <li>IMO: International Maritime Organization</li> </ul>			
- INDEX NUMBER: Identifier in Annex VI of CLP			
- LC50: Lethal Concentration 50%			
- LD50: Lethal dose 50%			
- OEL: Occupational Exposure Level			
- PBT: Persistent bioaccumulative and toxic as REACH Regulation			
<ul> <li>PEC: Predicted environmental Concentration</li> <li>PEL: Predicted exposure level</li> </ul>			
- PNEC: Predicted no effect concentration			
- REACH: EC Regulation 1907/2006			
- RID: Regulation concerning the international transport of dangerous goods by tr	ain		
- TLV: Threshold Limit Value			
- TLV CEILING: Concentration that should not be exceeded during any time of oc	cupational exposi	ire.	
<ul> <li>TWA STEL: Short-term exposure limit</li> <li>TWA: Time-weighted average exposure limit</li> </ul>			
- VOC: Volatile organic Compounds			
- vPvB: Very Persistent and very Bioaccumulative as for REACH Regulation.			
GENERAL BIBLIOGRAPHY			
1. Directive 1999/45/EC and following amendments			
2. Directive 67/548/EEC and following amendments and adjustments			
3. Regulation (EC) 1907/2006 (REACH) of the European Parliament			
4. Regulation (EC) 1272/2008 (CLP) of the European Parliament			
5. Regulation (EC) 790/2009 (I Atp. CLP) of the European Parliament			
<ol> <li>Regulation (EC) 453/2010 of the European Parliament</li> <li>Regulation (EC) 286/2011 (II Atp. CLP) of the European Parliament</li> </ol>			
8. The Merck Index 10th Edition			

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## SECTION 16. Other information. ... / >>

9. Handling Chemical Safety

10. Niosh - Registry of Toxic Effects of Chemical Substances

11. INRS - Fiche Toxicologique (toxicological sheet)

12. Patty - Industrial Hygiene and Toxicology

13. N.I. Sax - Dangerous properties of Industrial Materials-7, 1989 Edition

14. ECHA website

Note for users:

The information contained in the present sheet are based on our own knowledge on the date of the last version. Users must verify the suitability and thoroughness of provided information according to each specific use of the product.

18253

This document must not be regarded as a guarantee on any specific product property.

The use of this product is not subject to our direct control; therefore, users must, under their own responsibility, comply with the current health and safety laws and regulations. The producer is relieved from any liability arising from improper uses. Provide appointed staff with adequate training on how to use chemical products.

Changes to previous review: The following sections were modified: 01 / 02 / 08 / 09 / 11 / 12 / 15 / 16.

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V YELLOW OCHRI	E 181	<b>31</b> Printed of 19/6/2014 Page n. 1 / 6	
	Information S	sheet	
SECTION 1. Identification of the sub	stance/mixture and of	the company/undertaking	
1.1. Product identifier			
Code: Product name	18131 V YELLOW OCHRE 1	8131	
1.2. Relevant identified uses of the substance or n	nixture and uses advised agair	nst	
Intended use	Water colour.		
1.3. Details of the supplier of the safety data sheet	:		
Name Full address District and Country	INDUSTRIA MAIMERI S.P.A. Via Gianni Maimeri, 1 20060 Mediglia Italia Tel. +39 02 906981	(MI)	
e-mail address of the competent person responsible for the Safety Data Sheet	Fax +39 02 90698999 schedesicurezza@maimeri.it		
Product distribution by	INDUSTRIA MAIMERI S.P.A. V (MI) ITALY	/IA G.MAIMERI 1 20060 BETTOLINO DI MEDIGLIA	4
1.4. Emergency telephone number			
For urgent inquiries refer to	Australia : 131126 USA: 1 800 222 1222 Regno Unito NHS Direct (UK)	: +44 (0) 845 46 47	
SECTION 2. Hazards identification.			
2.1. Classification of the substance or mixture.			
The product is not classified as hazardous pursuar amendments and supplements).	it to the provisions set forth in EC	C Regulation 1272/2008 (CLP) (and subsequent	
2.1.1. Regulation 1272/2008 (CLP) and following a	nendments and adjustments.		
Hazard classification and indication:			
2.2. Label elements.			
Hazard pictograms:			
Signal words:			
Hazard statements: Precautionary statements: 2.3. Other hazards.			
Information not available.			
SECTION 3. Composition/information	n on ingredients.		
3.1. Substances.			
Information not relevant.			
3.2. Mixtures.			
The product does not contain substances classified set forth in Directives 67/548/EEC and/or EC Regu		nealth or the environment pursuant to the provisions osequent amendments and supplements).	
		@EPY 8.1.	Page

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## **V YELLOW OCHRE**

**SECTION 4. First aid measures.** 

### 4.1. Description of first aid measures.

Not specifically necessary. Observance of good industrial hygiene is recommended.

- **4.2. Most important symptoms and effects, both acute and delayed.** No episodes of damage to health ascribable to the product have been reported.
- **4.3. Indication of any immediate medical attention and special treatment needed.** Information not available.

## **SECTION 5. Firefighting measures.**

#### 5.1. Extinguishing media.

SUITABLE EXTINGUISHING EQUIPMENT The extinguishing equipment should be of the conventional kind: carbon dioxide, foam, powder and water spray. UNSUITABLE EXTINGUISHING EQUIPMENT None in particular.

## 5.2. Special hazards arising from the substance or mixture.

HAZARDS CAUSED BY EXPOSURE IN THE EVENT OF FIRE

Do not breathe combustion products.

#### 5.3. Advice for firefighters. GENERAL INFORMATION

Use jets of water to cool the containers to prevent product decomposition and the development of substances potentially hazardous for health. Always wear full fire prevention gear. Collect extinguishing water to prevent it from draining into the sewer system. Dispose of contaminated water used for extinction and the remains of the fire according to applicable regulations. SPECIAL PROTECTIVE EQUIPMENT FOR FIRE-FIGHTERS

Normal fire fighting clothing i.e. fire kit (BS EN 469), gloves (BS EN 659) and boots (HO specification A29 and A30) in combination with self-contained open circuit positive pressure compressed air breathing apparatus (BS EN 137).

## **SECTION 6.** Accidental release measures.

## **6.1. Personal precautions, protective equipment and emergency procedures.** Use breathing equipment if fumes or powders are released into the air. These indications apply for both processing staff and those involved in emergency procedures.

#### 6.2. Environmental precautions.

The product must not penetrate into the sewer system or come into contact with surface water or ground water.

#### 6.3. Methods and material for containment and cleaning up.

Confine using earth or inert material. Collect as much material as possible and eliminate the rest using jets of water. Contaminated material should be disposed of in compliance with the provisions set forth in point 13.

#### 6.4. Reference to other sections.

Any information on personal protection and disposal is given in sections 8 and 13.

## SECTION 7. Handling and storage.

#### 7.1. Precautions for safe handling.

Before handling the product, consult all the other sections of this material safety data sheet. Avoid leakage of the product into the environment. Do not eat, drink or smoke during use.

### 7.2. Conditions for safe storage, including any incompatibilities.

Keep the product in clearly labelled containers. Keep containers away from any incompatible materials, see section 10 for details.

#### 7.3. Specific end use(s).

Information not available.

## **V YELLOW OCHRE**

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## SECTION 8. Exposure controls/personal protection.

### 8.1. Control parameters.

Information not available.

### 8.2. Exposure controls.

Observance of safety measures used in handling chemical substances. RESPIRATORY PROTECTION None required. EYE PROTECTION None required. HAND PROTECTION None required. SKIN PROTECTION None required.

## **SECTION 9.** Physical and chemical properties.

9.1. Information on basic physical and chemi	ical p	roperties.
Appearance	-	paste
Colour		LIGHT OCHRE
Odour		ARABIC GUM
Odour threshold.		Not available.
pH.		
Melting point / freezing point.		Not available.
Initial boiling point.		Not available.
Boiling range.		Not available.
Flash point.	>	60 °C.
Evaporation Rate		Not available.
Flammability of solids and gases		Not available.
Lower inflammability limit.		Not available.
Upper inflammability limit.		Not available.
Lower explosive limit.		Not available.
Upper explosive limit.		Not available.
Vapour pressure.		Not available.
Vapour density		Not available.
Relative density.		0,2 Kg/l
Solubility		INSOLUBLE, DILUTE WITH WATER
Partition coefficient: n-octanol/water		Not available.
Auto-ignition temperature.		Not available.
Decomposition temperature.		Not available.
Viscosity		35.000 / 40.000 cps
Explosive properties		Not available.
Oxidising properties		Not available.
9.2. Other information.		
Solid content.		50,25 %
VOC (Directive 1999/13/EC) :		0
VOC (volatile carbon) :		0

## **SECTION 10. Stability and reactivity.**

#### 10.1. Reactivity.

There are no particular risks of reaction with other substances in normal conditions of use.

### 10.2. Chemical stability.

The product is stable in normal conditions of use and storage.

#### 10.3. Possibility of hazardous reactions.

No hazardous reactions are foreseeable in normal conditions of use and storage.

#### 10.4. Conditions to avoid.

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SECTION 10. Stability and reactivity. ... / >>

#### **10.5. Incompatible materials.** Information not available.

10.6. Hazardous decomposition products.

Information not available.

## **SECTION 11.** Toxicological information.

According to currently available data, this product has not yet produced health damages. Anyway, it must be handled according to good industrial practices.

### 11.1. Information on toxicological effects.

Information not available.

## **SECTION 12. Ecological information.**

Use this product according to good working practices. Avoid littering. Inform the competent authorities, should the product reach waterways or sewers or contaminate soil or vegetation.

### 12.1. Toxicity.

Information not available.

#### 12.2. Persistence and degradability. Information not available.

**12.3. Bioaccumulative potential.** Information not available.

## 12.4. Mobility in soil.

Information not available.

### 12.5. Results of PBT and vPvB assessment.

On the basis of available data, the product does not contain any PBT or vPvB in percentage greater than 0,1%.

### 12.6. Other adverse effects.

Information not available.

## **SECTION 13. Disposal considerations.**

13.1. Waste treatment methods.

Reuse, when possible. Neat product residues should be considered special non-hazardous waste. Disposal must be performed through an authorised waste management firm, in compliance with national and local regulations. Avoid littering. Do not contaminate soil, sewers and waterways. CONTAMINATED PACKAGING Contaminated packaging must be recovered or disposed of in compliance with national waste management regulations.

## **SECTION 14. Transport information.**

The product is not dangerous under current provisions of the Code of International Carriage of Dangerous Goods by Road (ADR) and by Rail (RID), of the International Maritime Dangerous Goods Code (IMDG), and of the International Air Transport Association (IATA) regulations.

## **SECTION 15. Regulatory information.**

None.

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture.

Seveso category.

Restrictions relating to the product or contained substances pursuant to Annex XVII to EC Regulation 1907/2006. None.

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None.

\ / \ / |

Substances subject to authorisarion (Annex XIV REACH).

None

Substances subject to exportation reporting pursuant to (EC) Reg. 689/2008:

None.

Substances subject to the Rotterdam Convention:

None.

Substances subject to the Stockholm Convention: None.

Healthcare controls. Information not available.

#### 15.2. Chemical safety assessment.

No chemical safety assessment has been processed for the mixture and the substances it contains.

## **SECTION 16.** Other information.

LEGEND:

- ADR: European Agreement concerning the carriage of Dangerous goods by Road
- CAS NUMBER: Chemical Abstract Service Number
- CE50: Effective concentration (required to induce a 50% effect)
- CE NUMBER: Identifier in ESIS (European archive of existing substances)
- CLP: EC Regulation 1272/2008
- DNEL: Derived No Effect Level
- EmS: Emergency Schedule
- GHS: Globally Harmonized System of classification and labeling of chemicals
- IATA DGR: International Air Transport Association Dangerous Goods Regulation
- IC50: Immobilization Concentration 50%
- IMDG: International Maritime Code for dangerous goods
- IMO: International Maritime Organization
- INDEX NUMBER: Identifier in Annex VI of CLP
- LC50: Lethal Concentration 50%
- LD50: Lethal dose 50%
- OEL: Occupational Exposure Level
- PBT: Persistent bioaccumulative and toxic as REACH Regulation
- PEC: Predicted environmental Concentration
- PEL: Predicted exposure level
- PNEC: Predicted no effect concentration
- REACH: EC Regulation 1907/2006
- RID: Regulation concerning the international transport of dangerous goods by train
- TLV: Threshold Limit Value
- TLV CEILING: Concentration that should not be exceeded during any time of occupational exposure.
- TWA STEL: Short-term exposure limit
- TWA: Time-weighted average exposure limit
- VOC: Volatile organic Compounds
- vPvB: Very Persistent and very Bioaccumulative as for REACH Regulation.

#### GENERAL BIBLIOGRAPHY

- 1. Directive 1999/45/EC and following amendments
- 2. Directive 67/548/EEC and following amendments and adjustments
- 3. Regulation (EC) 1907/2006 (REACH) of the European Parliament
- Regulation (EC) 1272/2008 (CLP) of the European Parliament
   Regulation (EC) 790/2009 (I Atp. CLP) of the European Parliament
- 6. Regulation (EC) 453/2010 of the European Parliament
- 7. Regulation (EC) 286/2011 (II Atp. CLP) of the European Parliament
- 8. The Merck Index. 10th Edition

V YELLOW OCHRE

## SECTION 16. Other information. ... / >>

9. Handling Chemical Safety

10. Niosh - Registry of Toxic Effects of Chemical Substances

11. INRS - Fiche Toxicologique (toxicological sheet)

12. Patty - Industrial Hygiene and Toxicology

13. N.I. Sax - Dangerous properties of Industrial Materials-7, 1989 Edition

14. ECHA website

Note for users:

The information contained in the present sheet are based on our own knowledge on the date of the last version. Users must verify the suitability and thoroughness of provided information according to each specific use of the product.

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This document must not be regarded as a guarantee on any specific product property.

The use of this product is not subject to our direct control; therefore, users must, under their own responsibility, comply with the current health and safety laws and regulations. The producer is relieved from any liability arising from improper uses. Provide appointed staff with adequate training on how to use chemical products.

Changes to previous review: The following sections were modified: 01 / 02 / 08 / 09 / 11 / 12 / 15 / 16.

Item Numbers: 00397-0249

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INDUSTRIA MAIMERI S.P.A.       Prevision nr. 1         VENEZIA       18098 INDIAN YELLOW         Information Sheet         Section 1. Identification of the substance/mixture and of the company/undertaking         1.1 Product identifie         Code:       18098         Product name       VENEZIA         VENEZIA         1.1 Product identified uses of the substance or mixture and uses advised against         Interded use       Water colour.         1.3 Details of the supplier of the safety data sheet         Name       NUDUSTRIA MAIMERI S.P.A.         Full address of the competent person       responsible for the Safety data Sheet         Name       NUDUSTRIA MAIMERI S.P.A. VIA G.MAIMERI 1 20060 BETTOLINO DI MEDICI         Matheway       Via Gianni Maimeri, 1         District and Country       20060 Mediglia       (MI)         Test and address of the competent person       schedesil-curezz@ginaimeri.t       (MI)         Product distribution by       INDUSTRIA MAIMERI S.P.A. VIA G.MAIMERI 1 20060 BETTOLINO DI MEDICI         UM       Test 30 02 20 06 08 93 0       schedesil-curezz@ginaimeri.t         Product distribution by       Australia: 131126       USA: 1 800 22 1122         Schedesilie: 1.300 222: 1222       Region Unito MHS Direct (UK): +44 (	Page 43
Information Sheet  SECTION 1. Identification of the substance/mixture and of the company/undertaking  1.1. Product identifier  Code: Code	
1. Product identifier         Code:       18098         Product name       18098         2. Relevant identified uses of the substance or mixture and uses advised against         Intended use       Water colour.         3. Details of the supplier of the safety data sheet       Via Gianni Maimeri, 1         Solaris of the supplier of the safety data sheet	
Code: 18098   Product name 18098   VENZIA 18098 INDIAN YELLOW     1.3. Relevant identified uses of the substance or mixture and uses advised against   Intended use Water colour.     1.3. Details of the supplier of the safety data sheet     Name Name   Full address 20060 Modigita   District and Country 20060 Modigita   To I. +39 02 906981   Fax +39 02 906981   Fax +39 02 906981   Fax +39 02 9069899      e-mail address of the competent person responsible for the Safety Data Sheet schodesicurezza@maimeri.it Product distribution by INDUSTRIA MAIMERI S.P.A. VIA G.MAIMERI 1 20060 BETTOLINO DI MEDICIL (M) Tatiatia To duct distribution by (M) UTALY  14. Emergency telephone number Encurgent inquiries refer to Cussit 1 800 221 2222 Regno Unito NHS Direct (UK): +44 (0) 845 46 47 SECTION 2. Hazards identification. 21. Australia: 131126 USA: 1 800 221 2222 Regno Unito NHS Direct (UK): +44 (0) 845 46 47 SECTION 2. Hazards identification: - 22. Label elements. 23. Label elements. 33. Label elements. 34. Comparison of the substance or mixture. Hazard pictograms: 4. Label elements: 35. Comparison of the substance or - 4. Label elements: - 35. Conter tazards. 4. Supplements: - 3. Conter tazards. 4. Supplements: - 3. Conter tazards. 4. Supplements: 3. Supplements: 3. Supplements: 3. Supplements: 3. Supplements: 3. Supplements: <p< td=""><td></td></p<>	
Product name VENEZIA 18098 INDIAN YELLOW     I.2. Relevant Identified uses of the substance or insture and uses advised against   Intended use   Water colour.      I.3. Details of the supplier of the safety data Sheet   Name Name   Fuil address INDUSTRIA MAIMERI S.P.A.   District and Country Via Gianni Maimeri, 1   20060 Medigiia   To. +33 02 906981   To. +33 02 9069899   e-mail address of the competent person schedesicurezza@maimerl.It   Product distribution by INDUSTRIA MAIMERI S.P.A. VIA G.MAIMERI 1 20060 BETTOLINO DI MEDIGLE   Minitian Tol.   Product distribution by INDUSTRIA MAIMERI S.P.A. VIA G.MAIMERI 1 20060 BETTOLINO DI MEDIGLE   Via Gianni Maimeri, 1 20060   Product distribution by INDUSTRIA MAIMERI S.P.A. VIA G.MAIMERI 1 20060 BETTOLINO DI MEDIGLE   Via Gianni Maimeri, 1 20060 USA: 1 800 222 1222   Regno Unito NHS Direct (UK): +44 (0) 845 46 47   Sector 2. Hazards locutification:   The product in not lassification of the substance or mixture.   Hazard classification and indication:   Hazard classification and indication:   Hazard pictograms:   Signal words:   Signal words:   Precautionary statements:   Signal words:   Precaution systements:	
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3. Details of the supplier of the safety data sheet         Name         Full address         District and Country         Industrial address         District and Country         Fall         Product distribution by         INDUSTRIA MAIMERI S.P.A.         Fall         Fall         Product distribution by         INDUSTRIA MAIMERI S.P.A. VIA G.MAIMERI 1 20060 BETTOLINO DI MEDIGL         (MI)         Talia         Teaponsible for the Safety Data Sheet         Schedesicurezza@maimeri.it         Product distribution by         INDUSTRIA MAIMERI S.P.A. VIA G.MAIMERI 1 20060 BETTOLINO DI MEDIGL         (MI)         TALY         A straila : 131126         USA: 1 800 222 1222         Regno Unito NHS Direct (UK): +44 (0) 845 46 47         SECTION 2. Hazards identification.         C1. Classification of the substance or mixture.         The product is not classified as hazardous pursuant to the provisions set forth in EC Regulation 1272/2008 (CLP) (and subsequent amendments and supplements).         C1.1. Regulation 1272/2008 (CLP) and following amendments and adjustments.         Hazard classification and indication:       -         22. Label elements.       -         Signal words:       -	
Name Full address District and Country       INDUSTRIA MAIMERI S.P.A. Via Gianni Maimeri, 1 20060 Mediglia Italia Tel. + 39 02 90698999         e-mail address of the competent person responsible for the Safety Data Sheet       schedesicurezza@maimori.it         Product distribution by       INDUSTRIA MAIMERI S.P.A. VIA G.MAIMERI 1 20060 BETTOLINO DI MEDIGL (MI) ITALY         Product distribution by       INDUSTRIA MAIMERI S.P.A. VIA G.MAIMERI 1 20060 BETTOLINO DI MEDIGL (MI) ITALY         L4. Emergency telephone number       Australia : 131126 USA: 1 800 222 1222 Regno Unito NHS Direct (UK): +44 (0) 845 46 47         SECTION 2. Hazards identification.       Etain (UK): +44 (0) 845 46 47         E1. Classification of the substance or mixture.       The product is not classified as hazardous pursuant to the provisions set forth in EC Regulation 1272/2008 (CLP) (and subsequent amendments and supplements).         E1.1. Regulation 1272/2008 (CLP) and following amendments and adjustments.       Hazard classification and indication:         Hazard classification and indication:       -         22. Label elements.       -         Hazard pictograms:       -         Signal words:       -         Precaudionary statements:       -         -       -         3. Other hazards.       -         Job Precaudion not available.       -	
Full address       Via Gianni Maimeri, 1         District and Country       20060         Medigiia       (Mi)         Italia       Tel.         Tel.       +33 02 306881         Fax       +30 02 306881         Fax       +30 02 30690         Classification of unumber       -         SECTION 2. Hazards identification.       -         Classification of the substance or mixture.       -         The product is not classified as hazardous pursuant to the provisions set forth in EC Regulation 1272/2008 (CLP) (and subsequent amendments and adjustments.         Hazard classification and indication:       - <t< td=""><td></td></t<>	
(M) ITALY         1.4. Emergency telephone number         For urgent inquiries refer to       Australia : 131126 USA: 1 800 222 1222 Regno Unito NHS Direct (UK): +44 (0) 845 46 47         SECTION 2. Hazards identification.         Classification of the substance or mixture.         The product is not classified as hazardous pursuant to the provisions set forth in EC Regulation 1272/2008 (CLP) (and subsequent amendments and supplements).         2.1. Regulation 1272/2008 (CLP) and following amendments and adjustments.         Hazard classification and indication:       -         Hazard pictograms:       -         Hazard statements:       -         Precautionary statements:       -         2.3. Other hazards.       -         Information not available.       -	
For urgent inquiries refer to Australia : 131126 USA : 1 800 222 1222 Regno Unito NHS Direct (UK): +44 (0) 845 46 47   SECTION 2. Hazards identification.   Colspan="2">Colspan="2"Colspa	IA
USA: 1 800 222 1222 Regno Unito NHS Direct (UK): +44 (0) 845 46 47         SECTION 2. Hazards identification.         2.1. Classification of the substance or mixture.         The product is not classified as hazardous pursuant to the provisions set forth in EC Regulation 1272/2008 (CLP) (and subsequent amendments and supplements).         2.1.1. Regulation 1272/2008 (CLP) and following amendments and adjustments.         Hazard classification and indication:            2.2. Label elements.         Hazard pictograms:          Signal words:          Precautionary statements:          2.3. Other hazards.          Information not available.	
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2.2. Label elements.         Hazard pictograms:          Signal words:          Hazard statements:          Precautionary statements:          2.3. Other hazards.          Information not available.	
Hazard pictograms:          Signal words:          Hazard statements:          Precautionary statements:          2.3. Other hazards.          Information not available.	
Signal words:   Hazard statements:   Precautionary statements:   2.3. Other hazards	
Hazard statements: Precautionary statements: 2.3. Other hazards. Information not available.	
Precautionary statements: 2.3. Other hazards. Information not available.	
SECTION 3. Composition/information on ingredients.	
3.1. Substances.	
Information not relevant.	
3.2. Mixtures.	
The product does not contain substances classified as being hazardous to human health or the environment pursuant to the provision set forth in Directives 67/548/EEC and/or EC Regulation 1272/2008 (CLP) (and subsequent amendments and supplements).	S

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## **18098 INDIAN YELLOW**

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## SECTION 4. First aid measures.

#### 4.1. Description of first aid measures.

Not specifically necessary. Observance of good industrial hygiene is recommended.

- **4.2. Most important symptoms and effects, both acute and delayed.** No episodes of damage to health ascribable to the product have been reported.
- **4.3. Indication of any immediate medical attention and special treatment needed.** Information not available.

## **SECTION 5. Firefighting measures.**

### 5.1. Extinguishing media.

SUITABLE EXTINGUISHING EQUIPMENT The extinguishing equipment should be of the conventional kind: carbon dioxide, foam, powder and water spray. UNSUITABLE EXTINGUISHING EQUIPMENT None in particular.

## 5.2. Special hazards arising from the substance or mixture.

HAZARDS CAUSED BY EXPOSURE IN THE EVENT OF FIRE Do not breathe combustion products.

### 5.3. Advice for firefighters.

GENERAL INFORMATION

Use jets of water to cool the containers to prevent product decomposition and the development of substances potentially hazardous for health. Always wear full fire prevention gear. Collect extinguishing water to prevent it from draining into the sewer system. Dispose of contaminated water used for extinction and the remains of the fire according to applicable regulations. SPECIAL PROTECTIVE EQUIPMENT FOR FIRE-FIGHTERS

Normal fire fighting clothing i.e. fire kit (BS EN 469), gloves (BS EN 659) and boots (HO specification A29 and A30) in combination with self-contained open circuit positive pressure compressed air breathing apparatus (BS EN 137).

## **SECTION 6.** Accidental release measures.

## **6.1. Personal precautions, protective equipment and emergency procedures.** Use breathing equipment if fumes or powders are released into the air. These indications apply for both processing staff and those involved in emergency procedures.

#### 6.2. Environmental precautions.

The product must not penetrate into the sewer system or come into contact with surface water or ground water.

#### 6.3. Methods and material for containment and cleaning up.

Confine using earth or inert material. Collect as much material as possible and eliminate the rest using jets of water. Contaminated material should be disposed of in compliance with the provisions set forth in point 13.

#### 6.4. Reference to other sections.

Any information on personal protection and disposal is given in sections 8 and 13.

## SECTION 7. Handling and storage.

#### 7.1. Precautions for safe handling.

Before handling the product, consult all the other sections of this material safety data sheet. Avoid leakage of the product into the environment. Do not eat, drink or smoke during use.

### 7.2. Conditions for safe storage, including any incompatibilities.

Keep the product in clearly labelled containers. Keep containers away from any incompatible materials, see section 10 for details.

#### 7.3. Specific end use(s).

Information not available.

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### 8.1. Control parameters.

Information not available.

#### 8.2. Exposure controls.

Observance of safety measures used in handling chemical substances. RESPIRATORY PROTECTION None required. EYE PROTECTION None required. HAND PROTECTION None required. SKIN PROTECTION None required.

## **SECTION 9.** Physical and chemical properties.

9.1. Information on basic physical and chen	nical p	properties.
Appearance	-	paste
Colour		DEEP YELLOW
Odour		ARABIC GUM
Odour threshold.		Not available.
pH.		
Melting point / freezing point.		Not available.
Initial boiling point.		Not available.
Boiling range.		Not available.
Flash point.	>	60 °C.
Evaporation Rate		Not available.
Flammability of solids and gases		Not available.
Lower inflammability limit.		Not available.
Upper inflammability limit.		Not available.
Lower explosive limit.		Not available.
Upper explosive limit.		Not available.
Vapour pressure.		Not available.
Vapour density		Not available.
Relative density.		0,2 Kg/l
Solubility		INSOLUBLE, DILUTE WITH WATER
Partition coefficient: n-octanol/water		Not available.
Auto-ignition temperature.		Not available.
Decomposition temperature.		Not available.
Viscosity		35.000 / 40.000 cps
Explosive properties		Not available.
Oxidising properties		Not available.
9.2. Other information.		
Solid content.		45,35 %
VOC (Directive 1999/13/EC) :		0
VOC (volatile carbon) :		0

## **SECTION 10. Stability and reactivity.**

#### 10.1. Reactivity.

There are no particular risks of reaction with other substances in normal conditions of use.

### 10.2. Chemical stability.

The product is stable in normal conditions of use and storage.

### 10.3. Possibility of hazardous reactions.

No hazardous reactions are foreseeable in normal conditions of use and storage.

#### 10.4. Conditions to avoid.

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## SECTION 10. Stability and reactivity. ... / >>

#### **10.5. Incompatible materials.** Information not available.

information not available.

## 10.6. Hazardous decomposition products.

Information not available.

## **SECTION 11.** Toxicological information.

According to currently available data, this product has not yet produced health damages. Anyway, it must be handled according to good industrial practices.

### 11.1. Information on toxicological effects.

Information not available.

## **SECTION 12. Ecological information.**

Use this product according to good working practices. Avoid littering. Inform the competent authorities, should the product reach waterways or sewers or contaminate soil or vegetation.

### 12.1. Toxicity.

Information not available.

#### **12.2. Persistence and degradability.** Information not available.

**12.3. Bioaccumulative potential.** Information not available.

## 12.4. Mobility in soil.

Information not available.

### 12.5. Results of PBT and vPvB assessment.

On the basis of available data, the product does not contain any PBT or vPvB in percentage greater than 0,1%.

### 12.6. Other adverse effects.

Information not available.

## **SECTION 13.** Disposal considerations.

#### 13.1. Waste treatment methods.

Reuse, when possible. Neat product residues should be considered special non-hazardous waste. Disposal must be performed through an authorised waste management firm, in compliance with national and local regulations. Avoid littering. Do not contaminate soil, sewers and waterways. CONTAMINATED PACKAGING Contaminated packaging must be recovered or disposed of in compliance with national waste management regulations.

## **SECTION 14. Transport information.**

The product is not dangerous under current provisions of the Code of International Carriage of Dangerous Goods by Road (ADR) and by Rail (RID), of the International Maritime Dangerous Goods Code (IMDG), and of the International Air Transport Association (IATA) regulations.

## **SECTION 15. Regulatory information.**

None.

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture.

Seveso category.

Restrictions relating to the product or contained substances pursuant to Annex XVII to EC Regulation 1907/2006. None.

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INDUSTE	RIA MAIMERI S.P.A.	Revision nr.1 Dated 19/6/2014
VENEZIA	18098 INDIAN YELLOW	Printed on 19/6/2014 Page n. 5 / 6
SECTION 15. Regulatory inform	ation/>>	1
Substances in Candidate List (Art. 59	REACH).	
None.		
Substances subject to authorisarion (a None.	Annex XIV REACH).	
Substances subject to exportation rep None.	porting pursuant to (EC) Reg. 689/2008:	
Substances subject to the Rotterdam None.	Convention:	
Substances subject to the Stockholm None.	Convention:	
Healthcare controls. Information not available.		
15.2. Chemical safety assessment.		
-		
No chemical safety assessment ha	s been processed for the mixture and the substances it contains.	
SECTION 16. Other inform	nation.	
LEGEND:		
<ul> <li>ADR: European Agreement conce</li> <li>CAS NUMBER: Chemical Abstract</li> </ul>	erning the carriage of Dangerous goods by Road	
- CE50: Effective concentration (rec		
	European archive of existing substances)	
- CLP: EC Regulation 1272/2008		
- DNEL: Derived No Effect Level		
- EmS: Emergency Schedule	a of close firsting and tabaling of chaminals	
	m of classification and labeling of chemicals sport Association Dangerous Goods Regulation	
- IC50: Immobilization Concentratio		
- IMDG: International Maritime Cod		
- IMO: International Maritime Orgar	nization	
- INDEX NUMBER: Identifier in Anr	nex VI of CLP	
- LC50: Lethal Concentration 50%		
- LD50: Lethal dose 50%		
<ul> <li>OEL: Occupational Exposure Level</li> <li>PBT: Persistent bioaccumulative a</li> </ul>		

- PBT: Persistent bioaccumulative and toxic as REACH Regulation
- PEC: Predicted environmental Concentration
- PEL: Predicted exposure level
- PNEC: Predicted no effect concentration
- REACH: EC Regulation 1907/2006
- RID: Regulation concerning the international transport of dangerous goods by train
- TLV: Threshold Limit Value
- TLV CEILING: Concentration that should not be exceeded during any time of occupational exposure.
- TWA STEL: Short-term exposure limit
- TWA: Time-weighted average exposure limit
- VOC: Volatile organic Compounds
- vPvB: Very Persistent and very Bioaccumulative as for REACH Regulation.

## GENERAL BIBLIOGRAPHY

- 1. Directive 1999/45/EC and following amendments
- 2. Directive 67/548/EEC and following amendments and adjustments
- 3. Regulation (EC) 1907/2006 (REACH) of the European Parliament
- Regulation (EC) 1272/2008 (CLP) of the European Parliament
   Regulation (EC) 790/2009 (I Atp. CLP) of the European Parliament
- 6. Regulation (EC) 453/2010 of the European Parliament
- 7. Regulation (EC) 286/2011 (II Atp. CLP) of the European Parliament
- 8. The Merck Index. 10th Edition

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SECTION 16. Other information. .../>>

9. Handling Chemical Safety

- 10. Niosh Registry of Toxic Effects of Chemical Substances
- 11. INRS Fiche Toxicologique (toxicological sheet)
- 12. Patty Industrial Hygiene and Toxicology
- 13. N.I. Sax Dangerous properties of Industrial Materials-7, 1989 Edition
- 14. ECHA website

VENEZIA

Note for users:

The information contained in the present sheet are based on our own knowledge on the date of the last version. Users must verify the suitability and thoroughness of provided information according to each specific use of the product.

This document must not be regarded as a guarantee on any specific product property.

The use of this product is not subject to our direct control; therefore, users must, under their own responsibility, comply with the current health and safety laws and regulations. The producer is relieved from any liability arising from improper uses. Provide appointed staff with adequate training on how to use chemical products.

Changes to previous review: The following sections were modified: 01 / 02 / 08 / 09 / 11 / 12 / 15 / 16.

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			Revision nr.1 Dated 19/6/2014 Printed on 19/6/2014
V PERMAN.YELL.L	EMON	18112	Page n. 1/6
	Informa	tion Sheet	
SECTION 1. Identification of the s	ubstance/mixture	e and of the compa	any/undertaking
1.1. Product identifier			
Code: Product name	18112 V PERMAN.YELL.I	-EMON 18112	
1.2. Relevant identified uses of the substance of	or mixture and uses ad	vised against	
Intended use	Water colour.		
1.3. Details of the supplier of the safety data sh	leet		
Name			
Full address District and Country	Via Gianni Maimer 20060 Mediglia	1, 1	(MI)
	Italia Tel. +39 02 900	6981	
e-mail address of the competent person	Fax +39 02 90	698999	
responsible for the Safety Data Sheet	schedesicurezza@	)maimeri.it	
Product distribution by	INDUSTRIA MAIMI (MI) ITALY	ERI S.P.A. VIA G.MAIMER	I 1 20060 BETTOLINO DI MEDIGLIA
.4. Emergency telephone number			
For urgent inquiries refer to	Australia : 131126 USA:  1 800 222 12 Regno Unito NHS	222 Direct (UK): +44 (0) 845 4	6 47
SECTION 2. Hazards identification	I <b>.</b>		
2.1. Classification of the substance or mixture.			
The product is not classified as hazardous purs amendments and supplements).	uant to the provisions se	et forth in EC Regulation 12	72/2008 (CLP) (and subsequent
2.1.1. Regulation 1272/2008 (CLP) and following	g amendments and adj	ustments.	
Hazard classification and indication:			
2.2. Label elements.			
Hazard pictograms:			
Signal words:			
Hazard statements:			
Precautionary statements: 2.3. Other hazards.			
Information not available.			
SECTION 3. Composition/informat	tion on ingredier	its.	
3.1. Substances.			
Information not relevant.			
8.2. Mixtures.			
The product does not contain substances class set forth in Directives 67/548/EEC and/or EC R			
			@EPY 8.1.21 - SDS 1003

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## INDUSTRIA MAIMERI S.P.A.

**V PERMAN.YELL.LEMON** 

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### **SECTION 4. First aid measures.**

#### 4.1. Description of first aid measures.

Not specifically necessary. Observance of good industrial hygiene is recommended.

- **4.2. Most important symptoms and effects, both acute and delayed.** No episodes of damage to health ascribable to the product have been reported.
- **4.3. Indication of any immediate medical attention and special treatment needed.** Information not available.

## **SECTION 5. Firefighting measures.**

#### 5.1. Extinguishing media.

SUITABLE EXTINGUISHING EQUIPMENT The extinguishing equipment should be of the conventional kind: carbon dioxide, foam, powder and water spray. UNSUITABLE EXTINGUISHING EQUIPMENT None in particular.

## 5.2. Special hazards arising from the substance or mixture.

HAZARDS CAUSED BY EXPOSURE IN THE EVENT OF FIRE

Do not breathe combustion products.

#### 5.3. Advice for firefighters. GENERAL INFORMATION

Use jets of water to cool the containers to prevent product decomposition and the development of substances potentially hazardous for health. Always wear full fire prevention gear. Collect extinguishing water to prevent it from draining into the sewer system. Dispose of contaminated water used for extinction and the remains of the fire according to applicable regulations. SPECIAL PROTECTIVE EQUIPMENT FOR FIRE-FIGHTERS

Normal fire fighting clothing i.e. fire kit (BS EN 469), gloves (BS EN 659) and boots (HO specification A29 and A30) in combination with

self-contained open circuit positive pressure compressed air breathing apparatus (BS EN 137).

## SECTION 6. Accidental release measures.

#### 6.1. Personal precautions, protective equipment and emergency procedures. Use breathing equipment if fumes or powders are released into the air. These indications apply for both processing staff and those

involved in emergency procedures.

#### 6.2. Environmental precautions.

The product must not penetrate into the sewer system or come into contact with surface water or ground water.

#### 6.3. Methods and material for containment and cleaning up.

Confine using earth or inert material. Collect as much material as possible and eliminate the rest using jets of water. Contaminated material should be disposed of in compliance with the provisions set forth in point 13.

#### 6.4. Reference to other sections.

Any information on personal protection and disposal is given in sections 8 and 13.

## SECTION 7. Handling and storage.

#### 7.1. Precautions for safe handling.

Before handling the product, consult all the other sections of this material safety data sheet. Avoid leakage of the product into the environment. Do not eat, drink or smoke during use.

### 7.2. Conditions for safe storage, including any incompatibilities.

Keep the product in clearly labelled containers. Keep containers away from any incompatible materials, see section 10 for details.

#### 7.3. Specific end use(s).

Information not available.

## **V PERMAN.YELL.LEMON**

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## SECTION 8. Exposure controls/personal protection.

### 8.1. Control parameters.

Information not available.

#### 8.2. Exposure controls.

Observance of safety measures used in handling chemical substances. RESPIRATORY PROTECTION None required. EYE PROTECTION None required. HAND PROTECTION None required. SKIN PROTECTION None required.

## **SECTION 9.** Physical and chemical properties.

9.1. Information on basic physical and che	mical p	properties.
Appearance	-	paste
Colour		yellow
Odour		ARABIC GUM
Odour threshold.		Not available.
pH.		
Melting point / freezing point.		Not available.
Initial boiling point.		Not available.
Boiling range.		Not available.
Flash point.	>	60 °C.
Evaporation Rate		Not available.
Flammability of solids and gases		Not available.
Lower inflammability limit.		Not available.
Upper inflammability limit.		Not available.
Lower explosive limit.		Not available.
Upper explosive limit.		Not available.
Vapour pressure.		Not available.
Vapour density		Not available.
Relative density.		0,2 Kg/l
Solubility		INSOLUBLE, DILUTE WITH WATER
Partition coefficient: n-octanol/water		Not available.
Auto-ignition temperature.		Not available.
Decomposition temperature.		Not available.
Viscosity		35.000 / 40.000 cps
Explosive properties		Not available.
Oxidising properties		Not available.
9.2. Other information.		
Solid content.		46,30 %
VOC (Directive 1999/13/EC) :		0
VOC (volatile carbon) :		0

## **SECTION 10. Stability and reactivity.**

#### 10.1. Reactivity.

There are no particular risks of reaction with other substances in normal conditions of use.

#### 10.2. Chemical stability.

The product is stable in normal conditions of use and storage.

### 10.3. Possibility of hazardous reactions.

No hazardous reactions are foreseeable in normal conditions of use and storage.

#### 10.4. Conditions to avoid.

## V PERMAN.YELL.LEMON

SECTION 10. Stability and reactivity. ... / >>

#### **10.5. Incompatible materials.** Information not available.

10.6. Hazardous decomposition products.

Information not available.

## **SECTION 11.** Toxicological information.

According to currently available data, this product has not yet produced health damages. Anyway, it must be handled according to good industrial practices.

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#### 11.1. Information on toxicological effects.

Information not available.

## **SECTION 12. Ecological information.**

Use this product according to good working practices. Avoid littering. Inform the competent authorities, should the product reach waterways or sewers or contaminate soil or vegetation.

## 12.1. Toxicity.

Information not available.

#### **12.2. Persistence and degradability.** Information not available.

**12.3. Bioaccumulative potential.** Information not available.

## 12.4. Mobility in soil.

Information not available.

#### 12.5. Results of PBT and vPvB assessment.

On the basis of available data, the product does not contain any PBT or vPvB in percentage greater than 0,1%.

#### 12.6. Other adverse effects.

Information not available.

## **SECTION 13.** Disposal considerations.

13.1. Waste treatment methods.

Reuse, when possible. Neat product residues should be considered special non-hazardous waste. Disposal must be performed through an authorised waste management firm, in compliance with national and local regulations. Avoid littering. Do not contaminate soil, sewers and waterways. CONTAMINATED PACKAGING Contaminated packaging must be recovered or disposed of in compliance with national waste management regulations.

## **SECTION 14. Transport information.**

The product is not dangerous under current provisions of the Code of International Carriage of Dangerous Goods by Road (ADR) and by Rail (RID), of the International Maritime Dangerous Goods Code (IMDG), and of the International Air Transport Association (IATA) regulations.

## **SECTION 15. Regulatory information.**

None.

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture.

Seveso category.

Restrictions relating to the product or contained substances pursuant to Annex XVII to EC Regulation 1907/2006. None.

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CTION 15. Regulatory information / >>	10112	Page n. 5/6	
Substances in Candidate List (Art. 59 REACH).			
None.			
Substances subject to authorisarion (Annex XIV REACH) None.			
Substances subject to exportation reporting pursuant to (EC) Reg. 689/2008 None.	:		
Substances subject to the Rotterdam Convention: None.			
Substances subject to the Stockholm Convention: None.			
Healthcare controls. Information not available.			
2. Chemical safety assessment.			
No chemical safety assessment has been processed for the mixture an	d the substances it contains	5.	
ECTION 16. Other information.			
<ul> <li>CAS NUMBER: Chemical Abstract Service Number</li> <li>CE50: Effective concentration (required to induce a 50% effect)</li> <li>CE NUMBER: Identifier in ESIS (European archive of existing substar</li> <li>CLP: EC Regulation 1272/2008</li> <li>DNEL: Derived No Effect Level</li> <li>EmS: Emergency Schedule</li> <li>GHS: Globally Harmonized System of classification and labeling of ch</li> <li>IATA DGR: International Air Transport Association Dangerous Goods</li> <li>IC50: Immobilization Concentration 50%</li> <li>IMDG: International Maritime Organization</li> <li>INDEX NUMBER: Identifier in Annex VI of CLP</li> <li>LC50: Lethal Concentration 50%</li> <li>OEL: Occupational Exposure Level</li> <li>PBT: Persistent bioaccumulative and toxic as REACH Regulation</li> <li>PEC: Predicted environmental Concentration</li> <li>PEC: Predicted no effect concentration</li> <li>REACH: EC Regulation 1907/2006</li> <li>RID: Regulation concerning the international transport of dangerous g</li> <li>TLV: Threshold Limit Value</li> <li>TLV CEILING: Concentration that should not be exceeded during any</li> <li>TWA STEL: Short-term exposure limit</li> <li>TWA: Time-weighted average exposure limit</li> <li>VOC: Volatile organic Compounds</li> <li>vPvB: Very Persistent and very Bioaccumulative as for REACH Regulation</li> </ul>	emicals Regulation oods by train time of occupational expos	ure.	
GENERAL BIBLIOGRAPHY 1. Directive 1999/45/EC and following amendments 2. Directive 67/548/EEC and following amendments and adjustments 3. Regulation (EC) 1907/2006 (REACH) of the European Parliament 4. Regulation (EC) 1272/2008 (CLP) of the European Parliament 5. Regulation (EC) 790/2009 (I Atp. CLP) of the European Parliament 6. Regulation (EC) 453/2010 of the European Parliament 7. Regulation (EC) 286/2011 (II Atp. CLP) of the European Parliament 9. Regulation (EC) 286/2011 (II Atp. CLP) of the European Parliament			
8. The Merck Index 10th Edition			

V PERMAN.YELL.LEMON SECTION 16. Other information. ... />> 18112

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9. Handling Chemical Safety

11. INRS - Fiche Toxicologique (toxicological sheet)

12. Patty - Industrial Hygiene and Toxicology

13. N.I. Sax - Dangerous properties of Industrial Materials-7, 1989 Edition

14. ECHA website

Note for users:

The information contained in the present sheet are based on our own knowledge on the date of the last version. Users must verify the suitability and thoroughness of provided information according to each specific use of the product.

This document must not be regarded as a guarantee on any specific product property.

The use of this product is not subject to our direct control; therefore, users must, under their own responsibility, comply with the current health and safety laws and regulations. The producer is relieved from any liability arising from improper uses. Provide appointed staff with adequate training on how to use chemical products.

Changes to previous review: The following sections were modified: 01 / 02 / 08 / 09 / 11 / 12 / 15 / 16.

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V PERMAN.YELLO		18114	Dated 19/6/2014 Printed on 19/6/2014
V FERMAN. TELLO		10114	Page n. 1/6
	Informat	ion Sheet	
SECTION 1. Identification of the s	substance/mixture	and of the compa	ny/undertaking
1.1. Product identifier			
Code: Product name	18114 V PERMAN.YELLOW	/ DEEP 18114	
1.2. Relevant identified uses of the substance	or mixture and uses advi	sed against	
Intended use	Water colour.		
1.3. Details of the supplier of the safety data s	sheet		
Name			
Full address District and Country	Via Gianni Maimeri, 20060 Mediglia	1	(MI)
	Italia Tel. +39 02 9069	81	
e-mail address of the competent person	Fax +39 02 9069	8999	
responsible for the Safety Data Sheet	schedesicurezza@m	naimeri.it	
Product distribution by	INDUSTRIA MAIMER (MI) ITALY	RI S.P.A. VIA G.MAIMERI	1 20060 BETTOLINO DI MEDIGLIA
1.4. Emergency telephone number			
For urgent inquiries refer to	Australia : 131126 USA:  1 800 222 122 Regno Unito NHS Di	2 rect (UK): +44 (0) 845 46	47
SECTION 2. Hazards identificatio	n.		
2.1. Classification of the substance or mixture	9.		
The product is not classified as hazardous pur amendments and supplements).	rsuant to the provisions set	forth in EC Regulation 127	72/2008 (CLP) (and subsequent
2.1.1. Regulation 1272/2008 (CLP) and following	ng amendments and adjus	stments.	
Hazard classification and indication:			
2.2. Label elements.			
Hazard pictograms:			
Signal words:			
Hazard statements:			
Precautionary statements: 2.3. Other hazards.			
Information not available.			
SECTION 3. Composition/informa	ation on ingredients	6.	
3.1. Substances.	<b>U</b>		
Information not relevant.			
3.2. Mixtures.			
The product does not contain substances clas set forth in Directives 67/548/EEC and/or EC			
			8 EPY 8.1.21 - SDS 1003

MSDS for #00397 - MAIMERI VENEZIA WC

## INDUSTRIA MAIMERI S.P.A.

## **V PERMAN.YELLOW DEEP**

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## SECTION 4. First aid measures.

#### 4.1. Description of first aid measures.

Not specifically necessary. Observance of good industrial hygiene is recommended.

- **4.2. Most important symptoms and effects, both acute and delayed.** No episodes of damage to health ascribable to the product have been reported.
- **4.3. Indication of any immediate medical attention and special treatment needed.** Information not available.

## **SECTION 5. Firefighting measures.**

### 5.1. Extinguishing media.

SUITABLE EXTINGUISHING EQUIPMENT The extinguishing equipment should be of the conventional kind: carbon dioxide, foam, powder and water spray. UNSUITABLE EXTINGUISHING EQUIPMENT None in particular.

## 5.2. Special hazards arising from the substance or mixture.

HAZARDS CAUSED BY EXPOSURE IN THE EVENT OF FIRE

Do not breathe combustion products.

#### 5.3. Advice for firefighters. GENERAL INFORMATION

Use jets of water to cool the containers to prevent product decomposition and the development of substances potentially hazardous for health. Always wear full fire prevention gear. Collect extinguishing water to prevent it from draining into the sewer system. Dispose of contaminated water used for extinction and the remains of the fire according to applicable regulations. SPECIAL PROTECTIVE EQUIPMENT FOR FIRE-FIGHTERS

Normal fire fighting clothing i.e. fire kit (BS EN 469), gloves (BS EN 659) and boots (HO specification A29 and A30) in combination with self-contained open circuit positive pressure compressed air breathing apparatus (BS EN 137).

## **SECTION 6.** Accidental release measures.

## **6.1. Personal precautions, protective equipment and emergency procedures.** Use breathing equipment if fumes or powders are released into the air. These indications apply for both processing staff and those involved in emergency procedures.

#### 6.2. Environmental precautions.

The product must not penetrate into the sewer system or come into contact with surface water or ground water.

#### 6.3. Methods and material for containment and cleaning up.

Confine using earth or inert material. Collect as much material as possible and eliminate the rest using jets of water. Contaminated material should be disposed of in compliance with the provisions set forth in point 13.

#### 6.4. Reference to other sections.

Any information on personal protection and disposal is given in sections 8 and 13.

## SECTION 7. Handling and storage.

#### 7.1. Precautions for safe handling.

Before handling the product, consult all the other sections of this material safety data sheet. Avoid leakage of the product into the environment. Do not eat, drink or smoke during use.

### 7.2. Conditions for safe storage, including any incompatibilities.

Keep the product in clearly labelled containers. Keep containers away from any incompatible materials, see section 10 for details.

#### 7.3. Specific end use(s).

Information not available.

## **V PERMAN.YELLOW DEEP**

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## SECTION 8. Exposure controls/personal protection.

### 8.1. Control parameters.

Information not available.

#### 8.2. Exposure controls.

Observance of safety measures used in handling chemical substances. RESPIRATORY PROTECTION None required. EYE PROTECTION None required. HAND PROTECTION None required. SKIN PROTECTION None required.

## **SECTION 9.** Physical and chemical properties.

9.1. Information on basic physical and chemical	properties.
Appearance	paste
Colour	DEEP YELLOW
Odour	ARABIC GUM
Odour threshold.	Not available.
pH.	
Melting point / freezing point.	Not available.
Initial boiling point.	Not available.
Boiling range.	Not available.
Flash point. >	60 °C.
Evaporation Rate	Not available.
Flammability of solids and gases	Not available.
Lower inflammability limit.	Not available.
Upper inflammability limit.	Not available.
Lower explosive limit.	Not available.
Upper explosive limit.	Not available.
Vapour pressure.	Not available.
Vapour density	Not available.
Relative density.	0,2 Kg/l
Solubility	INSOLUBLE, DILUTE WITH WATER
Partition coefficient: n-octanol/water	Not available.
Auto-ignition temperature.	Not available.
Decomposition temperature.	Not available.
Viscosity	35.000 / 40.000 cps
Explosive properties	Not available.
Oxidising properties	Not available.
9.2. Other information.	
Solid content.	46,84 %
VOC (Directive 1999/13/EC) :	0
VOC (volatile carbon) :	0

## **SECTION 10. Stability and reactivity.**

#### 10.1. Reactivity.

There are no particular risks of reaction with other substances in normal conditions of use.

#### 10.2. Chemical stability.

The product is stable in normal conditions of use and storage.

#### 10.3. Possibility of hazardous reactions.

No hazardous reactions are foreseeable in normal conditions of use and storage.

#### 10.4. Conditions to avoid.

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SECTION 10. Stability and reactivity. ... / >>

#### **10.5. Incompatible materials.** Information not available.

10.6. Hazardous decomposition products.

Information not available.

## **SECTION 11.** Toxicological information.

According to currently available data, this product has not yet produced health damages. Anyway, it must be handled according to good industrial practices.

#### 11.1. Information on toxicological effects.

Information not available.

## **SECTION 12. Ecological information.**

Use this product according to good working practices. Avoid littering. Inform the competent authorities, should the product reach waterways or sewers or contaminate soil or vegetation.

#### 12.1. Toxicity.

Information not available.

#### 12.2. Persistence and degradability. Information not available.

**12.3. Bioaccumulative potential.** Information not available.

## 12.4. Mobility in soil.

Information not available.

#### 12.5. Results of PBT and vPvB assessment.

On the basis of available data, the product does not contain any PBT or vPvB in percentage greater than 0,1%.

#### 12.6. Other adverse effects.

Information not available.

## **SECTION 13.** Disposal considerations.

13.1. Waste treatment methods.

Reuse, when possible. Neat product residues should be considered special non-hazardous waste. Disposal must be performed through an authorised waste management firm, in compliance with national and local regulations. Avoid littering. Do not contaminate soil, sewers and waterways. CONTAMINATED PACKAGING Contaminated packaging must be recovered or disposed of in compliance with national waste management regulations.

## **SECTION 14. Transport information.**

The product is not dangerous under current provisions of the Code of International Carriage of Dangerous Goods by Road (ADR) and by Rail (RID), of the International Maritime Dangerous Goods Code (IMDG), and of the International Air Transport Association (IATA) regulations.

## **SECTION 15. Regulatory information.**

None.

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture.

Seveso category.

Restrictions relating to the product or contained substances pursuant to Annex XVII to EC Regulation 1907/2006. None.

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CTION 15. Regulatory information / >>		
ubstances in Candidate List (Art. 59 REACH).		
one.		
ubstances subject to authorisarion (Annex XIV REACH). lone.		
ubstances subject to exportation reporting pursuant to (EC) Reg. 689/2008: one.		
ubstances subject to the Rotterdam Convention: lone.		
ubstances subject to the Stockholm Convention: lone.		
ealthcare controls.		
nformation not available.		
2. Chemical safety assessment.		
lo chemical safety assessment has been processed for the mixture and the substances it c	ontains.	
· .		
CTION 16. Other information.		
EGEND: ADR: European Agreement concerning the carriage of Dangerous goods by Road		
CAS NUMBER: Chemical Abstract Service Number		
CE50: Effective concentration (required to induce a 50% effect)		
CE NUMBER: Identifier in ESIS (European archive of existing substances)		
CLP: EC Regulation 1272/2008		
DNEL: Derived No Effect Level		
EmS: Emergency Schedule		
GHS: Globally Harmonized System of classification and labeling of chemicals		
IATA DGR: International Air Transport Association Dangerous Goods Regulation		
IC50: Immobilization Concentration 50%		
IMDG: International Maritime Code for dangerous goods		
IMO: International Maritime Organization		
INDEX NUMBER: Identifier in Annex VI of CLP		
LC50: Lethal Concentration 50%		
LD50: Lethal dose 50%		
OEL: Occupational Exposure Level		
PBT: Persistent bioaccumulative and toxic as REACH Regulation		
PEC: Predicted environmental Concentration PEL: Predicted exposure level		
PNEC: Predicted exposure level PNEC: Predicted no effect concentration		
REACH: EC Regulation 1907/2006		
RID: Regulation concerning the international transport of dangerous goods by train		
TLV: Threshold Limit Value		
TLV CEILING: Concentration that should not be exceeded during any time of occupational	exposure.	
TWA STEL: Short-term exposure limit		
TWA: Time-weighted average exposure limit		
VOC: Volatile organic Compounds		
vPvB: Very Persistent and very Bioaccumulative as for REACH Regulation.		
GENERAL BIBLIOGRAPHY Directive 1999/45/EC and following amendments		
2. Directive 1999/45/EC and following amendments and adjustments		
B. Regulation (EC) 1907/2006 (REACH) of the European Parliament		
Regulation (EC) 1272/2008 (CLP) of the European Parliament		
5. Regulation (EC) 790/2009 (I Atp. CLP) of the European Parliament		
5. Regulation (EC) 453/2010 of the European Parliament		
. Regulation (EC) 286/2011 (II Atp. CLP) of the European Parliament		
B. The Merck Index 10th Edition		

V PERMAN.YELLOW DEEP

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## SECTION 16. Other information. ... / >>

9. Handling Chemical Safety

10. Niosh - Registry of Toxic Effects of Chemical Substances

11. INRS - Fiche Toxicologique (toxicological sheet)

12. Patty - Industrial Hygiene and Toxicology

13. N.I. Sax - Dangerous properties of Industrial Materials-7, 1989 Edition

14. ECHA website

Note for users:

The information contained in the present sheet are based on our own knowledge on the date of the last version. Users must verify the suitability and thoroughness of provided information according to each specific use of the product.

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This document must not be regarded as a guarantee on any specific product property.

The use of this product is not subject to our direct control; therefore, users must, under their own responsibility, comply with the current health and safety laws and regulations. The producer is relieved from any liability arising from improper uses. Provide appointed staff with adequate training on how to use chemical products.

Changes to previous review: The following sections were modified: 01 / 02 / 08 / 09 / 11 / 12 / 15 / 16.

Code: 18962   Product name 1962   1.2. Returned location of the substance or mixture and uses advised against   Intended use ware colure.   3. Subsidie of the supplier of the safety data sheet   Name Nume   Full address NDUSTRIA MAIMERI S.P.A.   Full address of the country Via Gianni Maimeri, 1   2006 Beint The '************************************	Information Sheet         SECTION 1. Identification of the substance/mixture and of the compan         1.1. Product identifier         Code:       18062         Product name       V PERMANENT ORANGE         1.2. Relevant identified uses of the substance or mixture and uses advised against         Intended use       Water colour.         1.3. Details of the supplier of the safety data sheet       Name         Name       INDUSTRIA MAIMERI S.P.A.         Full address       Via Gianni Maimeri, 1         District and Country       20060         Mediglia       Italia         Tel.       +39 02 906981         Fax       +39 02 90698999         e-mail address of the competent person       schedesicurezza@maimeri.it         Product distribution by       INDUSTRIA MAIMERI S.P.A. VIA G.MAIMERI 1	
SECTION 1, Identification of the substance/mixture and of the company/undertaking         1.1. Product identifier         Code:       VPERMANENT ORANGE       1862         Product identifier       VPERMANENT ORANGE       1862         1.2. Relevant identified uses of the substance or mixture and uses advised against       Inherded use       Water colour.         1.3. Details of the supplier of the safety data sheet       Numer       (MI)         Nume       INDUSTRIA MAIMERI S.P.A.       (MI)         Full address       INDUSTRIA MAIMERI S.P.A.       (MI)         Biblicit and County       20000 Medigila       (MI)         rel       -33 02 3089990       Fear       +33 02 3089990         e-mail address of the competent person       schedesicurezza@maimeri.it       NUDSTRIA MAIMERI S.P.A. VIA G.MAIMERI 1 20060 BETTOLINO DI MEDIGLIA         (MI) TALV       NUDSTRIA MAIMERI S.P.A. VIA G.MAIMERI 1 20060 BETTOLINO DI MEDIGLIA       (MI) TALVE         Product distribution by       INDUSTRIA MAIMERI S.P.A. VIA G.MAIMERI 1 20060 BETTOLINO DI MEDIGLIA         (MI) TALVE       Baseralia: 131126       USA: 1 800 222 1222         Regno Unito NINS Direct (UK): +44 (0) 845 46 47       Staralia: 121 22/2008 (CLP) (and subsequent amendmentes and subjustments.         Flazard distagenentis.       -       -       -         2.1. Aegualation 1272/2008	SECTION 1. Identification of the substance/mixture and of the company         1.1. Product identifier         Code:       18062         Product name       V PERMANENT ORANGE         1.2. Relevant identified uses of the substance or mixture and uses advised against         Intended use       Water colour.         1.3. Details of the supplier of the safety data sheet         Name       INDUSTRIA MAIMERI S.P.A.         Full address       Via Gianni Maimeri, 1         District and Country       20060 Mediglia         Italia       Tel. +39 02 906981         Fax +39 02 90698999       e-mail address of the competent person         responsible for the Safety Data Sheet       schedesicurezza@maimeri.it         Product distribution by       INDUSTRIA MAIMERI S.P.A. VIA G.MAIMERI 1	
A. Product Identifier   Code:   Product Identifier   Product Identified uses of the substance or mixture and uses advised against   Intended use   Water colour.   A. Selatis of the supplier of the safety data sheet   Ware in the intended use   Number	I.1. Product identifier         Code: Product name       18062 V PERMANENT ORANGE       18062         I.2. Relevant identified uses of the substance or mixture and uses advised against       18062         Intended use       Water colour.         I.3. Details of the supplier of the safety data sheet       Name Full address         Name Full address       INDUSTRIA MAIMERI S.P.A. Via Gianni Maimeri, 1 20060 Mediglia Italia Tel. +39 02 906981 Fax +39 02 90698999         e-mail address of the competent person responsible for the Safety Data Sheet       schedesicurezza@maimeri.it         Product distribution by       INDUSTRIA MAIMERI S.P.A. VIA G.MAIMERI 1	
Code: 18062   Product name VPERNAMENT ORANGE   13. Relevant identified uses of the substance or mixture and uses advised against   Intended use Water colour   13. Details of the supplier of the safety data sheet   Name   Product identified uses of the substance or mixture and uses advised against   Intended use   Water colour   13. Details of the supplier of the safety data sheet   Name   Product identified country   Use Giam Mainneri, 1   Product distribution by   Intended use   Product distribution by   INDUSTRIA MAINERT S.P.A. VIA G.MAINERI 120060 BETTOLINO DI MEDIGLIA   (MU) TALV   Identified use and shopplements   For urgent inquiries refer to   Questrial is 121126   USA 1 aloo 222 1222   Regro Unito NHS Direct (UK): +44 (0) 845 46 47      Cetton 2. Hazards identification. The product is not classified as hazardous pursuant to the provisions set forth in EC Regulation 1272/2008 (CLP) (and subsequent amendments and adjustments. Lazard classification and indication:	Code: Product name       18062 V PERMANENT ORANGE       18062         I.2. Relevant identified uses of the substance or mixture and uses advised against       18062         Intended use       Water colour.         I.3. Details of the supplier of the safety data sheet       Water colour.         Name Full address       INDUSTRIA MAIMERI S.P.A. Via Gianni Maimeri, 1 20060 Mediglia Italia Tel. +39 02 906981 Fax +39 02 9069899         e-mail address of the competent person responsible for the Safety Data Sheet       schedesicurezza@maimeri.it         Product distribution by       INDUSTRIA MAIMERI S.P.A. VIA G.MAIMERI 1	(MI)
Product name VPERMANENT ORANGE 18062   13. Relation the substance or mixture and uses advised against Intended use Water colour.   13. betails of the supplier of the safety data sheet Name Via Gianni Maimeri, 1   2006 Mathin 2006 Mathin (M)   District and Country Via Gianni Maimeri, 1 (M)   2006 Mathin 2006 Mathin (M)   Full address (M) Tat.   District and Country Via Gianni Maimeri, 1 (M)   2006 Mathin (M) Tat.   For use of the competent person echedisicurezza@maimeri.t   Product distribution by NDUSTRIA MAIMERI S.P.A. VIA G.MAIMERI 1 20060 BETTOLINO DI MEDIGLIA   (M) Tat. 130 22 2008091   Fax +39 02 2008091 Fax   For usent inquiries refer to Australia: 13112E   USA: 1 90 222 1222 Regno Unto NHS Direct (UK): +44 (0) 845 46 47   ECTION 2. Hazards Identification.  Australia: 13112E   C1. Regulation 1272/2008 (CLP) and following amendments and adjustments.   Hazard classified as hazardous pursuant to the provisions set forth in EC Regulation 1272/2008 (CLP) (and subsequent amendments and auguments).   21. Legulation 1272/2008 (CLP) and following amendments and adjustments.   Hazard classified as hazardous pursuant to the provisions set forth in EC Regulation 1272/2008 (CLP) (and subsequent amendments and auguments).   21. Label elements.   Hazard classified as nazardous pursuant.   Hazard subtements:   Signal words:   Signal words:   <	Product name     V PERMANENT ORANGE     18062       1.2. Relevant identified uses of the substance or mixture and uses advised against     Intended use     Water colour.       1.3. Details of the supplier of the safety data sheet     Name     INDUSTRIA MAIMERI S.P.A.       Full address     Via Gianni Maimeri, 1       District and Country     20060     Mediglia Italia       Fel.     +33 02 906981       Fax     +39 02 90698999       e-mail address of the competent person responsible for the Safety Data Sheet     schedesicurezza@maimeri.it       Product distribution by     INDUSTRIA MAIMERI S.P.A. VIA G.MAIMERI 1	(MI)
Intended use Water colour.   1.3. Details of the supplier of the safety data shoe:   Name   Full address   District and Country   20060   Medigina   Teal   T	Intended use Water colour.  1.3. Details of the supplier of the safety data sheet Name Full address District and Country  e-mail address of the competent person responsible for the Safety Data Sheet Product distribution by Name Kater colour.  Water colour.  NDUSTRIA MAIMERI S.P.A.  NDUSTRIA MAIMERI S.P.A.  NDUSTRIA MAIMERI S.P.A. VIA G.MAIMERI 1	(MI)
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Name Full address       INDUSTRIA MAIMERI S.P.A. Via Gianni Maimeri, 1 20060 Mediglia (MI) Italia Tel. + 39 02 9069899 Fax + 39 02 90698999         e-mail address of the competent paron responsible for the Safety Data Sheet       schedesicurezza@maimeri.it         Product distribution by       industrial is 131126 USA: 18 00 222 1222 Regno Unito NHS Direct (UK): +44 (0) 845 46 47         For urgent inquiries refer to amendments).       Australia : 131126 USA: 18 00 222 1222 Regno Unito NHS Direct (UK): +44 (0) 845 46 47         For Urgent inquiries refer to amendments).       Australia : 131126 USA: 18 00 222 1222 Regno Unito NHS Direct (UK): +44 (0) 845 46 47         FL1 Classified as hazardous pursuant to the provisions set forth in EC Regulation 1272/2008 (CLP) (and subsequent amendments).         C1.1 Regulation 1272/2008 (CLP) and following amendments and adjustments.         Hazard classified as hazardous pursuant to the provisions set forth in EC Regulation 1272/2008 (CLP) (and subsequent amendments).         C1.1 Regulation 1272/2008 (CLP) and following amendments and adjustments.         Hazard classified ate name is signal words:       =         Signal	Full address       Via Gianni Maimeri, 1         District and Country       20060 Mediglia Italia         Tel.       +39 02 906981         Fax       +39 02 90698999         e-mail address of the competent person responsible for the Safety Data Sheet       schedesicurezza@maimeri.it         Product distribution by       INDUSTRIA MAIMERI S.P.A. VIA G.MAIMERI 1	(MI)
Full address Via Gianni Maimeri, 1   District and Country 20060 Modiging   Italia Tel, +39 02 906989   Fax +39 02 9069899   Fax +39 02 9069899   Fax +39 02 9069899   Fax +39 02 9069899   Fax +39 02 90698999   Fax +39 02 9069899   Fax +120060 BETTOLINO DI MEDIGLIA   Minital LY -   CLSastrict Liber -   Hazard	Full address       Via Gianni Maimeri, 1         District and Country       20060 Mediglia Italia         Tel.       +39 02 906981         Fax       +39 02 90698999         e-mail address of the competent person responsible for the Safety Data Sheet       schedesicurezza@maimeri.it         Product distribution by       INDUSTRIA MAIMERI S.P.A. VIA G.MAIMERI 1	(MI)
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The product does not contain substances classified as being hazardous to human health or the environment pursuant to the provisions	Information not relevant.	
	3.2. Mixtures.	

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## **SECTION 4. First aid measures.**

#### 4.1. Description of first aid measures.

Not specifically necessary. Observance of good industrial hygiene is recommended.

- **4.2. Most important symptoms and effects, both acute and delayed.** No episodes of damage to health ascribable to the product have been reported.
- **4.3. Indication of any immediate medical attention and special treatment needed.** Information not available.

## **SECTION 5. Firefighting measures.**

#### 5.1. Extinguishing media.

SUITABLE EXTINGUISHING EQUIPMENT The extinguishing equipment should be of the conventional kind: carbon dioxide, foam, powder and water spray. UNSUITABLE EXTINGUISHING EQUIPMENT None in particular.

#### 5.2. Special hazards arising from the substance or mixture. HAZARDS CAUSED BY EXPOSURE IN THE EVENT OF FIRE

Do not breathe combustion products.

### 5.3. Advice for firefighters.

GENERAL INFORMATION Use jets of water to cool the containers to prevent product decomposition and the development of substances potentially hazardous for health. Always wear full fire prevention gear. Collect extinguishing water to prevent it from draining into the sewer system. Dispose of contaminated water used for extinction and the remains of the fire according to applicable regulations.

SPECIAL PROTECTIVE EQUIPMENT FOR FIRE-FIGHTERS

Normal fire fighting clothing i.e. fire kit (BS EN 469), gloves (BS EN 659) and boots (HO specification A29 and A30) in combination with self-contained open circuit positive pressure compressed air breathing apparatus (BS EN 137).

## SECTION 6. Accidental release measures.

## **6.1. Personal precautions, protective equipment and emergency procedures.** Use breathing equipment if fumes or powders are released into the air. These indications apply for both processing staff and those involved in emergency procedures.

### 6.2. Environmental precautions.

The product must not penetrate into the sewer system or come into contact with surface water or ground water.

### 6.3. Methods and material for containment and cleaning up.

Confine using earth or inert material. Collect as much material as possible and eliminate the rest using jets of water. Contaminated material should be disposed of in compliance with the provisions set forth in point 13.

#### 6.4. Reference to other sections.

Any information on personal protection and disposal is given in sections 8 and 13.

## SECTION 7. Handling and storage.

#### 7.1. Precautions for safe handling.

Before handling the product, consult all the other sections of this material safety data sheet. Avoid leakage of the product into the environment. Do not eat, drink or smoke during use.

### 7.2. Conditions for safe storage, including any incompatibilities.

Keep the product in clearly labelled containers. Keep containers away from any incompatible materials, see section 10 for details.

### 7.3. Specific end use(s).

Information not available.

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## SECTION 8. Exposure controls/personal protection.

## 8.1. Control parameters.

Information not available.

#### 8.2. Exposure controls.

Observance of safety measures used in handling chemical substances. RESPIRATORY PROTECTION None required. EYE PROTECTION None required. HAND PROTECTION None required. SKIN PROTECTION None required.

## **SECTION 9.** Physical and chemical properties.

9.1. Information on basic physical and chem	nical p	properties.
Appearance		paste
Colour		orange
Odour		ARABIC GUM
Odour threshold.		Not available.
pH.		
Melting point / freezing point.		Not available.
Initial boiling point.		Not available.
Boiling range.		Not available.
Flash point.	>	60 °C.
Evaporation Rate		Not available.
Flammability of solids and gases		Not available.
Lower inflammability limit.		Not available.
Upper inflammability limit.		Not available.
Lower explosive limit.		Not available.
Upper explosive limit.		Not available.
Vapour pressure.		Not available.
Vapour density		Not available.
Relative density.		0,2 Kg/l
Solubility		INSOLUBLE, DILUTE WITH WATER
Partition coefficient: n-octanol/water		Not available.
Auto-ignition temperature.		Not available.
Decomposition temperature.		Not available.
Viscosity		35.000 / 40.000 cps
Explosive properties		Not available.
Oxidising properties		Not available.
9.2. Other information.		
Solid content.		45,20 %
VOC (Directive 1999/13/EC) :		0
VOC (volatile carbon) :		0

## **SECTION 10. Stability and reactivity.**

#### 10.1. Reactivity.

There are no particular risks of reaction with other substances in normal conditions of use.

#### 10.2. Chemical stability.

The product is stable in normal conditions of use and storage.

#### 10.3. Possibility of hazardous reactions.

No hazardous reactions are foreseeable in normal conditions of use and storage.

#### 10.4. Conditions to avoid.

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SECTION 10. Stability and reactivity. ... / >>

#### **10.5. Incompatible materials.** Information not available.

10.6. Hazardous decomposition products.

Information not available.

## **SECTION 11.** Toxicological information.

According to currently available data, this product has not yet produced health damages. Anyway, it must be handled according to good industrial practices.

#### 11.1. Information on toxicological effects.

Information not available.

## **SECTION 12. Ecological information.**

Use this product according to good working practices. Avoid littering. Inform the competent authorities, should the product reach waterways or sewers or contaminate soil or vegetation.

### 12.1. Toxicity.

Information not available.

#### **12.2. Persistence and degradability.** Information not available.

**12.3. Bioaccumulative potential.** Information not available.

## 12.4. Mobility in soil.

Information not available.

#### 12.5. Results of PBT and vPvB assessment.

On the basis of available data, the product does not contain any PBT or vPvB in percentage greater than 0,1%.

#### 12.6. Other adverse effects.

Information not available.

## **SECTION 13.** Disposal considerations.

#### 13.1. Waste treatment methods.

Reuse, when possible. Neat product residues should be considered special non-hazardous waste. Disposal must be performed through an authorised waste management firm, in compliance with national and local regulations. Avoid littering. Do not contaminate soil, sewers and waterways. CONTAMINATED PACKAGING Contaminated packaging must be recovered or disposed of in compliance with national waste management regulations.

## **SECTION 14. Transport information.**

The product is not dangerous under current provisions of the Code of International Carriage of Dangerous Goods by Road (ADR) and by Rail (RID), of the International Maritime Dangerous Goods Code (IMDG), and of the International Air Transport Association (IATA) regulations.

## **SECTION 15. Regulatory information.**

None.

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture.

Seveso category.

Restrictions relating to the product or contained substances pursuant to Annex XVII to EC Regulation 1907/2006. None.

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the substances it contains.		
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## **V PERMANENT ORANGE**

SECTION 16. Other information. .../>>

9. Handling Chemical Safety

10. Niosh - Registry of Toxic Effects of Chemical Substances

11. INRS - Fiche Toxicologique (toxicological sheet)

12. Patty - Industrial Hygiene and Toxicology

13. N.I. Sax - Dangerous properties of Industrial Materials-7, 1989 Edition

14. ECHA website

Note for users:

The information contained in the present sheet are based on our own knowledge on the date of the last version. Users must verify the suitability and thoroughness of provided information according to each specific use of the product.

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This document must not be regarded as a guarantee on any specific product property.

The use of this product is not subject to our direct control; therefore, users must, under their own responsibility, comply with the current health and safety laws and regulations. The producer is relieved from any liability arising from improper uses. Provide appointed staff with adequate training on how to use chemical products.

Changes to previous review: The following sections were modified: 01 / 02 / 08 / 09 / 11 / 12 / 15 / 16. Revision nr.1 Dated 19/6/2014 Printed on 19/6/2014

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V SKI BLUE ULTR	AMAR.	18428	Printed on 19/6/2014 Page n. 1 / 6
	Informa	tion Sheet	
SECTION 1. Identification of the s	ubstance/mixture	and of the compa	any/undertaking
1.1. Product identifier			
Code: Product name	18428 V SKI BLUE ULTRA	AMAR. 18428	
1.2. Relevant identified uses of the substance	or mixture and uses ad	vised against	
Intended use	Water colour.		
1.3. Details of the supplier of the safety data s	heet		
Name Full address District and Country	INDUSTRIA MAIME Via Gianni Maimer 20060 Mediglia Italia Tel. +39 02 906 Fax +39 02 906	i, 1 5981	(MI)
e-mail address of the competent person responsible for the Safety Data Sheet	schedesicurezza@	emaimeri.it	
Product distribution by	INDUSTRIA MAIME (MI) ITALY	ERI S.P.A. VIA G.MAIMERI	I 1 20060 BETTOLINO DI MEDIGLIA
1.4. Emergency telephone number			
For urgent inquiries refer to	Australia : 131126 USA:  1 800 222 12 Regno Unito NHS	22 Direct (UK): +44 (0) 845 46	6 47
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2.1.1. Regulation 1272/2008 (CLP) and followin	g amendments and adj	ustments.	
Hazard classification and indication:			
2.2. Label elements.			
Hazard pictograms:			
Signal words:			
Hazard statements: Precautionary statements: <b>2.3. Other hazards.</b>			
Information not available.			
SECTION 3. Composition/informa	tion on inaredien	ts.	
3.1. Substances.			
Information not relevant.			
3.2. Mixtures.			
The product does not contain substances class set forth in Directives 67/548/EEC and/or EC F			
			@ EPY 8.1.21 - SDS 1003

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## V SKI BLUE ULTRAMAR.

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## 5.2. Special hazards arising from the substance or mixture.

HAZARDS CAUSED BY EXPOSURE IN THE EVENT OF FIRE

Do not breathe combustion products.

#### 5.3. Advice for firefighters. GENERAL INFORMATION

Use jets of water to cool the containers to prevent product decomposition and the development of substances potentially hazardous for health. Always wear full fire prevention gear. Collect extinguishing water to prevent it from draining into the sewer system. Dispose of contaminated water used for extinction and the remains of the fire according to applicable regulations. SPECIAL PROTECTIVE EQUIPMENT FOR FIRE-FIGHTERS

Normal fire fighting clothing i.e. fire kit (BS EN 469), gloves (BS EN 659) and boots (HO specification A29 and A30) in combination with self-contained open circuit positive pressure compressed air breathing apparatus (BS EN 137).

## **SECTION 6.** Accidental release measures.

## **6.1. Personal precautions, protective equipment and emergency procedures.** Use breathing equipment if fumes or powders are released into the air. These indications apply for both processing staff and those involved in emergency procedures.

#### 6.2. Environmental precautions.

The product must not penetrate into the sewer system or come into contact with surface water or ground water.

### 6.3. Methods and material for containment and cleaning up.

Confine using earth or inert material. Collect as much material as possible and eliminate the rest using jets of water. Contaminated material should be disposed of in compliance with the provisions set forth in point 13.

#### 6.4. Reference to other sections.

Any information on personal protection and disposal is given in sections 8 and 13.

## SECTION 7. Handling and storage.

#### 7.1. Precautions for safe handling.

Before handling the product, consult all the other sections of this material safety data sheet. Avoid leakage of the product into the environment. Do not eat, drink or smoke during use.

### 7.2. Conditions for safe storage, including any incompatibilities.

Keep the product in clearly labelled containers. Keep containers away from any incompatible materials, see section 10 for details.

### 7.3. Specific end use(s).

Information not available.

## V SKI BLUE ULTRAMAR.

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## SECTION 8. Exposure controls/personal protection.

## 8.1. Control parameters.

Information not available.

#### 8.2. Exposure controls.

Observance of safety measures used in handling chemical substances. RESPIRATORY PROTECTION None required. EYE PROTECTION None required. HAND PROTECTION None required. SKIN PROTECTION None required.

## **SECTION 9.** Physical and chemical properties.

9.1. Information on basic physical and chemic	al p	properties.
Appearance		paste
Colour		LIGHT BLUE
Odour		ARABIC GUM
Odour threshold.		Not available.
pH.		
Melting point / freezing point.		Not available.
Initial boiling point.		Not available.
Boiling range.		Not available.
Flash point.	>	60 °C.
Evaporation Rate		Not available.
Flammability of solids and gases		Not available.
Lower inflammability limit.		Not available.
Upper inflammability limit.		Not available.
Lower explosive limit.		Not available.
Upper explosive limit.		Not available.
Vapour pressure.		Not available.
Vapour density		Not available.
Relative density.		0,2 Kg/l
Solubility		INSOLUBLE, DILUTE WITH WATER
Partition coefficient: n-octanol/water		Not available.
Auto-ignition temperature.		Not available.
Decomposition temperature.		Not available.
Viscosity		35.000 / 40.000 cps
Explosive properties		Not available.
Oxidising properties		Not available.
9.2. Other information.		
Solid content.		56,37 %
VOC (Directive 1999/13/EC) :		0
VOC (volatile carbon) :		0

## **SECTION 10. Stability and reactivity.**

#### 10.1. Reactivity.

There are no particular risks of reaction with other substances in normal conditions of use.

#### 10.2. Chemical stability.

The product is stable in normal conditions of use and storage.

#### 10.3. Possibility of hazardous reactions.

No hazardous reactions are foreseeable in normal conditions of use and storage.

#### 10.4. Conditions to avoid.

## V SKI BLUE ULTRAMAR.

SECTION 10. Stability and reactivity. ... / >>

#### **10.5. Incompatible materials.** Information not available.

10.6. Hazardous decomposition products.

Information not available.

## **SECTION 11.** Toxicological information.

According to currently available data, this product has not yet produced health damages. Anyway, it must be handled according to good industrial practices.

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#### 11.1. Information on toxicological effects.

Information not available.

## **SECTION 12. Ecological information.**

Use this product according to good working practices. Avoid littering. Inform the competent authorities, should the product reach waterways or sewers or contaminate soil or vegetation.

## 12.1. Toxicity.

Information not available.

#### **12.2. Persistence and degradability.** Information not available.

**12.3. Bioaccumulative potential.** Information not available.

## 12.4. Mobility in soil.

Information not available.

#### 12.5. Results of PBT and vPvB assessment.

On the basis of available data, the product does not contain any PBT or vPvB in percentage greater than 0,1%.

#### 12.6. Other adverse effects.

Information not available.

## **SECTION 13.** Disposal considerations.

13.1. Waste treatment methods.

Reuse, when possible. Neat product residues should be considered special non-hazardous waste. Disposal must be performed through an authorised waste management firm, in compliance with national and local regulations. Avoid littering. Do not contaminate soil, sewers and waterways. CONTAMINATED PACKAGING Contaminated packaging must be recovered or disposed of in compliance with national waste management regulations.

## **SECTION 14. Transport information.**

The product is not dangerous under current provisions of the Code of International Carriage of Dangerous Goods by Road (ADR) and by Rail (RID), of the International Maritime Dangerous Goods Code (IMDG), and of the International Air Transport Association (IATA) regulations.

## **SECTION 15. Regulatory information.**

None.

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture.

Seveso category.

Restrictions relating to the product or contained substances pursuant to Annex XVII to EC Regulation 1907/2006. None.

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CTION 15. Regulatory information / >>			
Substances in Candidate List (Art. 59 REACH)			
Substances subject to authorisarion (Annex XIV REACH).			
Substances subject to exportation reporting pursuant to (EC) Reg. 689/2008: None.			
Substances subject to the Rotterdam Convention: None.			
Substances subject to the Stockholm Convention:			
lealthcare controls. nformation not available.			
2. Chemical safety assessment.			
No chemical safety assessment has been processed for the mixture and	the substances it contain	S.	
CTION 16. Other information.			
ADR: European Agreement concerning the carriage of Dangerous good CAS NUMBER: Chemical Abstract Service Number CE50: Effective concentration (required to induce a 50% effect) CE NUMBER: Identifier in ESIS (European archive of existing substance CLP: EC Regulation 1272/2008 DNEL: Derived No Effect Level EmS: Emergency Schedule GHS: Globally Harmonized System of classification and labeling of che IATA DGR: International Air Transport Association Dangerous Goods F IC50: Immobilization Concentration 50% IMDG: International Maritime Organization INDEX NUMBER: Identifier in Annex VI of CLP LC50: Lethal Concentration 50% OEL: Occupational Exposure Level PBT: Persistent bioaccumulative and toxic as REACH Regulation PEC: Predicted environmental Concentration REACH: EC Regulation 1907/2006 RID: Regulation concerning the international transport of dangerous go TLV: Threshold Limit Value TLV CEILING: Concentration that should not be exceeded during any ti TWA STEL: Short-term exposure limit TWA: Time-weighted average exposure limit VOC: Volatile organic Compounds vPvB: Very Persistent and very Bioaccumulative as for REACH Regulation vPvB: Very Persistent and very Bioaccumulative as for REACH Regulation VPvB: Very Persistent and very Bioaccumulative as for REACH Regulation VPvB: Very Persistent and very Bioaccumulative as for REACH Regulation	es) micals legulation ods by train me of occupational expos	ure.	
GENERAL BIBLIOGRAPHY Directive 1999/45/EC and following amendments Directive 67/548/EEC and following amendments and adjustments Bar Regulation (EC) 1907/2006 (REACH) of the European Parliament Regulation (EC) 1272/2008 (CLP) of the European Parliament Caregulation (EC) 790/2009 (I Atp. CLP) of the European Parliament Regulation (EC) 453/2010 of the European Parliament Regulation (EC) 286/2011 (II Atp. CLP) of the European Parliament			

V SKI BLUE ULTRAMAR. SECTION 16. Other information. .../>> 18428

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9. Handling Chemical Safety

10. Niosh - Registry of Toxic Effects of Chemical Substances

11. INRS - Fiche Toxicologique (toxicological sheet)

12. Patty - Industrial Hygiene and Toxicology

13. N.I. Sax - Dangerous properties of Industrial Materials-7, 1989 Edition

14. ECHA website

Note for users:

The information contained in the present sheet are based on our own knowledge on the date of the last version. Users must verify the suitability and thoroughness of provided information according to each specific use of the product.

This document must not be regarded as a guarantee on any specific product property.

The use of this product is not subject to our direct control; therefore, users must, under their own responsibility, comply with the current health and safety laws and regulations. The producer is relieved from any liability arising from improper uses. Provide appointed staff with adequate training on how to use chemical products.

Changes to previous review: The following sections were modified: 01 / 02 / 08 / 09 / 11 / 12 / 15 / 16.

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Page 73 of 146 MSDS for #00397 - MAIMERI VENEZIA WC **INDUSTRIA MAIMERI S.P.A.** Revision nr.1 Dated 19/6/2014 Printed on 19/6/2014 **V CERULEAN** 18416 Page n. 1/8 Safety data sheet SECTION 1. Identification of the substance/mixture and of the company/undertaking 1.1. Product identifier Code: 18416 Product name **V CERULEAN** 18416 1.2. Relevant identified uses of the substance or mixture and uses advised against Water colour. Intended use 1.3. Details of the supplier of the safety data sheet Name INDUSTRIA MAIMERI S.P.A. Full address Via Gianni Maimeri, 1 District and Country 20060 Mediglia (MI) Italia Tel. +39 02 906981 Fax +39 02 90698999 e-mail address of the competent person responsible for the Safety Data Sheet schedesicurezza@maimeri.it INDUSTRIA MAIMERI S.P.A. VIA G.MAIMERI 1 20060 BETTOLINO DI MEDIGLIA Product distribution by (MI) ITALY 1.4. Emergency telephone number Australia : 131126 For urgent inquiries refer to USA: 1 800 222 1222 Regno Unito NHS Direct (UK): +44 (0) 845 46 47 **SECTION 2. Hazards identification.** 2.1. Classification of the substance or mixture. product is classified as hazardous pursuant to the provisions set forth in EC Regulation 1272/2008 (CLP) (and subsequent The amendments and supplements). The product thus requires a safety datasheet that complies with the provisions of EC Regulation 1907/2006 and subsequent amendments. Any additional information concerning the risks for health and/or the environment are given in sections 11 and 12 of this sheet. 2.1.1. Regulation 1272/2008 (CLP) and following amendments and adjustments. Hazard classification and indication: Aquatic Acute 1 H400 Aquatic Chronic 1 H410 2.1.2. 67/548/EEC and 1999/45/EC Directives and following amendments and adjustments. Danger Symbols: Ν 50/53 R phrases: The full wording of the Risk (R) and hazard (H) phrases is given in section 16 of the sheet. 2.2. Label elements. Hazard labelling pursuant to EC Regulation 1272/2008 (CLP) and subsequent amendments and supplements. Hazard pictograms:

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V CE	RULEAN	184	440	Printed on 19/6/2014 Page n. 2 / 8
SECTION 2. Hazards				
Signal words:	Warning			
Hazard statements: H410 Precautionary statem P273 P391 P501 2.3. Other hazards.	ents: Avoid release to Collect spillage.	natic life with long lasting effects. the environment. ents / container to in accordance with	h local and national norms.	
Information not availa	ble.			
SECTION 3. Com	position/inforr	nation on ingredients.		
3.1. Substances.				
Information not releva	ant.			
3.2. Mixtures.				
Contains:				
Identification.	Conc. %. Cla	ssification 67/548/EEC.	Classification	1272/2008 (CLP).
Note: Upper limit is no The full wording of the	0-7 19463881-32-0000 ot included into the rai e Risk (R) and hazard xic(T), Xn = Harmful(Xn), C =		of the sheet.	0 M=1, Aquatic Chronic 1 H410 Flammable(F+), F = Highly Flammable(F),
SECTION 4. First	t aid measures			
4.1. Description of first		good industrial hygiene is recomme	nded.	
NOT SPECIFICALly neces		<b>both acute and delayed.</b> In the product have been reported	J.	
I.2. Most important sy				
<b>4.2. Most important syn</b> No episodes of dama		tention and special treatment nee	∋ded.	
<ul> <li>4.2. Most important syn No episodes of dama</li> <li>4.3. Indication of any ir Information not availa</li> </ul>	ible.		edd.	
<ul> <li>4.2. Most important syn No episodes of dama</li> <li>4.3. Indication of any ir Information not availa</li> <li>SECTION 5. Firef</li> <li>5.1. Extinguishing med SUITABLE EXTINGU</li> </ul>	ible. <b>fighting measu</b> li <b>a.</b> IISHING EQUIPMENT uipment should be of f	res. r the conventional kind: carbon dioxid		r spray.
<ul> <li>4.2. Most important syn No episodes of dama</li> <li>4.3. Indication of any ir Information not availa</li> <li>SECTION 5. Firef</li> <li>5.1. Extinguishing med SUITABLE EXTINGU The extinguishing equ UNSUITABLE EXTIN None in particular.</li> </ul>	ible. <b>fighting measu</b> <b>lia.</b> IISHING EQUIPMENT uipment should be of f IGUISHING EQUIPME <b>ising from the subst</b> BY EXPOSURE IN T	res. r the conventional kind: carbon dioxid ENT <b>cance or mixture.</b>		<sup>-</sup> spray.
<ul> <li>4.2. Most important syn No episodes of dama</li> <li>4.3. Indication of any ir Information not availa</li> <li>SECTION 5. Firef</li> <li>5.1. Extinguishing med SUITABLE EXTINGU The extinguishing equ UNSUITABLE EXTIN None in particular.</li> <li>5.2. Special hazards ar HAZARDS CAUSED Do not breathe combining</li> </ul>	hible. <b>fighting measu</b> <b>lia.</b> IISHING EQUIPMENT Jupment should be of the IGUISHING EQUIPMENT <b>ising from the subst</b> BY EXPOSURE IN THE UNIT STREET	res. r the conventional kind: carbon dioxid ENT <b>cance or mixture.</b>		<sup>-</sup> spray.
<ul> <li>4.2. Most important syn No episodes of dama</li> <li>4.3. Indication of any ir Information not availa</li> <li>SECTION 5. Firef</li> <li>5.1. Extinguishing med SUITABLE EXTINGU The extinguishing equ UNSUITABLE EXTIN None in particular.</li> <li>5.2. Special hazards ar HAZARDS CAUSED Do not breathe comb</li> <li>5.3. Advice for firefight GENERAL INFORMA Use jets of water to health. Always wear</li> </ul>	fighting measu fighting measu IISHING EQUIPMENT Lipment should be of the IGUISHING EQUIPME ising from the subst BY EXPOSURE IN THE LIST PROSURE IN	r the conventional kind: carbon dioxid ENT ance or mixture. HE EVENT OF FIRE s to prevent product decomposition gear. Collect extinguishing water t the remains of the fire according to	le, foam, powder and water and the development of su	ibstances potentially hazardous for

Page 75 of 146 MSDS for #00397 - MAIMERI VENEZIA WC **INDUSTRIA MAIMERI S.P.A.** Revision nr.1 Dated 19/6/2014 Printed on 19/6/2014 **V CERULEAN** 18416 Page n. 3/8 SECTION 6. Accidental release measures. 6.1. Personal precautions, protective equipment and emergency procedures. Use breathing equipment if fumes or powders are released into the air. These indications apply for both processing staff and those involved in emergency procedures. 6.2. Environmental precautions. The product must not penetrate into the sewer system or come into contact with surface water or ground water. 6.3. Methods and material for containment and cleaning up. Confine using earth or inert material. Collect as much material as possible and eliminate the rest using jets of water. Contaminated material should be disposed of in compliance with the provisions set forth in point 13. 6.4. Reference to other sections. Any information on personal protection and disposal is given in sections 8 and 13. **SECTION 7. Handling and storage.** 7.1. Precautions for safe handling. Before handling the product, consult all the other sections of this material safety data sheet. Avoid leakage of the product into the environment. Do not eat, drink or smoke during use. 7.2. Conditions for safe storage, including any incompatibilities. Keep the product in clearly labelled containers. Keep containers away from any incompatible materials, see section 10 for details. 7.3. Specific end use(s). Information not available SECTION 8. Exposure controls/personal protection. 8.1. Control parameters. Regulatory References: United Kingdom EH40/2005 Workplace exposure limits. Containing the list of workplace exposure limits for use with the Control of Substances Hazardous to Health Regulations (as amended). Code of Practice Chemical Agent Regulations 2011. Éire OEL EU Directive 2009/161/EU; Directive 2006/15/EC; Directive 2004/37/EC; Directive 2000/39/EC **TLV-ACGIH** ACGIH 2012 Zinc oxide Threshold Limit Value. TWA/8h STEL/15min Туре Country mg/m3 mg/m3 ppm ppm **TLV-ACGIH** 5 15 Legend: (C) = CEILING ; INHAL = Inhalable Fraction ; RESP = Respirable Fraction ; THORA = Thoracic Fraction. 8.2. Exposure controls. As the use of adequate technical equipment must always take priority over personal protection equipment, make sure that the workplace is well aired through effective local aspiration. HAND PROTECTION Protect hands with category I (ref. Directive 89/686/EEC and standard EN 374) work gloves, such as those in latex, PVC or equivalent. The following should be considered when choosing work glove material: degradation, breakage times and permeation. Work glove resistance to preparations should be checked before use, as it can be unpredictable. Gloves' limit depends on the duration of exposure. SKIN PROTECTION Wear category I professional long-sleeved overalls and safety footwear (ref. Directive 89/686/CEE and standard EN 344). Wash body with soap and water after removing overalls. RESPIRATORY PROTECTION If the threshold value (if available) for one or more of the substances present in the preparation for daily exposure in the workplace or to a fraction established by the company's prevention and protection service is exceeded, wear a mask with an B or universal filter, the class (1, 2 or 3) of which must be chosen according to the limit concentration of use (ref. standard EN 141). The use of respiratory tract protection equipment, such as masks like that indicated above, is necessary to reduce worker exposure in the absence of technical measures. The protection provided by masks is in any case limited.

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SECTION 8. Exposure controls/personal protection. ... / >>

If the substance in question is odourless or its olfactory threshold is higher than the relative exposure limit and in the event of an emergency, or when exposure levels are unknown or the concentration of oxygen in the workplace is less than 17% volume, wear self-contained, open-circuit compressed air breathing apparatus (ref. standard EN 137) or fresh air hose breathing apparatus for use with full face mask, half mask or mouthpiece (ref. standard EN 138). EYE PROTECTION

Use of protective airtight goggles (ref. standard EN 166) recommended. ENVIRONMENTAL EXPOSURE CONTROLS.

The emissions generated by manufacturing processes, including those generated by ventilation equipment, should be checked to ensure compliance with environmental standards.

## **SECTION 9.** Physical and chemical properties.

9.1. Information on basic physical and chemical properties.

· · · · · · · · · · · · · · · · · · ·		
Appearance		paste
Colour		SKY BLUE
Odour		ARABIC GUM
Odour threshold.		Not available.
pH.		
Melting point / freezing point.		Not available.
Initial boiling point.		Not available.
Boiling range.		Not available.
Flash point.	>	60 °C.
Evaporation Rate		Not available.
Flammability of solids and gases		Not available.
Lower inflammability limit.		Not available.
Upper inflammability limit.		Not available.
Lower explosive limit.		Not available.
Upper explosive limit.		Not available.
Vapour pressure.		Not available.
Vapour density		Not available.
Relative density.		0,2 Kg/l
Solubility		INSOLUBLE, DILUTE WITH WATER
Partition coefficient: n-octanol/water		Not available.
Auto-ignition temperature.		Not available.
Decomposition temperature.		Not available.
Viscosity		35.000 / 40.000 cps
Explosive properties		Not available.
Oxidising properties		Not available.
9.2. Other information.		
Solid content.		59,73 %
VOC (Directive 1999/13/EC) :		0
VOC (volatile carbon) :		0

## **SECTION 10. Stability and reactivity.**

### 10.1. Reactivity.

There are no particular risks of reaction with other substances in normal conditions of use.

### 10.2. Chemical stability.

The product is stable in normal conditions of use and storage.

#### 10.3. Possibility of hazardous reactions. No hazardous reactions are foreseeable in normal conditions of use and storage.

### 10.4. Conditions to avoid.

None in particular. However the usual precautions used for chemical products should be respected.

### 10.5. Incompatible materials.

Information not available

### 10.6. Hazardous decomposition products.

Information not available.

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## **SECTION 11. Toxicological information.**

According to currently available data, this product has not yet produced health damages. Anyway, it must be handled carefully according to good industrial practices. This product may have slight health effects on sensitive people, by inhalation and/or cutaneous absorption and/or contact with eyes and/or ingestion.

### 11.1. Information on toxicological effects.

Information not available.

## **SECTION 12. Ecological information.**

This product is dangerous for the environment and highly toxic for aquatic organisms. In the long term, it have negative effects on aquatic environment.

#### 12.1. Toxicity.

Information not available.

#### 12.2. Persistence and degradability. Information not available.

12.3. Bioaccumulative potential. Information not available.

12.4. Mobility in soil.

Information not available.

### 12.5. Results of PBT and vPvB assessment.

On the basis of available data, the product does not contain any PBT or vPvB in percentage greater than 0,1%.

#### 12.6. Other adverse effects.

Information not available.

## **SECTION 13. Disposal considerations.**

#### 13.1. Waste treatment methods.

Reuse, when possible. Product residues should be considered special hazardous waste. The hazard level of waste containing this product should be evaluated according to applicable regulations.

Disposal must be performed through an authorised waste management firm, in compliance with national and local regulations.

Avoid littering. Do not contaminate soil, sewers and waterways.

Waste transportation may be subject to ADR restrictions CONTAMINATED PACKAGING

Contaminated packaging must be recovered or disposed of in compliance with national waste management regulations.

## **SECTION 14. Transport information.**

These goods must be transported by vehicles authorized to the carriage of dangerous goods according to the provisions set out in the current edition of the Code of International Carriage of Dangerous Goods by Road (ADR) and in all the applicable national regulations. These goods must be packed in their original packagings or in packagings made of materials resistant to their content and not reacting dangerously with it. People loading and unloading dangerous goods must be trained on all the risks deriving from these substances and on all actions that must be taken in case of emergency situations.

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ECTION 14. Transport infor		18416	Printed on 19/6/2014 Page n. 6 / 8	
	rmation / >>			
Road and rail transport:				
ADR/RID Class: Packing Group: Label: Nr. Kemler:	9 UN: III 9 90	3082		
Limited Quantity. Tunnel restriction code. Proper Shipping Name:	5 L (E) ENVIRONMENTA	LLY HAZARDOUS SUBSTANCE	E, LIQUID, N.O.S. (Zinc oxide)	
Carriage by sea (shipping):				
IMO Class: Packing Group: Label: EMS: Marine Pollutant.	9 UN: III 9 F-A, S-F YES	3082		
Proper Shipping Name:	ENVIRONMENTA	LLY HAZARDOUS SUBSTANCE	-, LIQUID, N.O.S. (Zinc oxide)	
Transport by air: IATA: Packing Group: Label: Cargo:	9 UN: III 9	3082		
Packaging instructions: Pass.:	964	Maximum quantity: 4	50 L	
Packaging instructions: Special Instructions:	964 A97, A158	Maximum quantity: 4	50 L	
Proper Shipping Name: INFORMATION ON TRANSPO		LLY HAZARDOUS SUBSTANCE R NATIONS: NOT USDOT OR II		
Seveso category.	9i	ation specific for the substance		
Point. 3				
	t. 59 REACH).			
Substances in Candidate List (Art None.				
	ion (Annex XIV REACH).			
None. Substances subject to authorisari	· · · · · · · · · · · · · · · · · · ·	Reg. 689/2008:		
None. Substances subject to authorisari None. Substances subject to exportation	n reporting pursuant to (EC)	Reg. 689/2008:		
None. Substances subject to authorisari None. Substances subject to exportation None. Substances subject to the Rottered	n reporting pursuant to (EC)	Reg. 689/2008:		
None. Substances subject to authorisari None. Substances subject to exportation None. Substances subject to the Rottero None. Substances subject to the Stockh	n reporting pursuant to (EC)	Reg. 689/2008:		
None. Substances subject to authorisari None. Substances subject to exportation None. Substances subject to the Rottero None. Substances subject to the Stockh None. Healthcare controls.	n reporting pursuant to (EC) dam Convention:	<u>Reg. 689/2008:</u>		
None. Substances subject to authorisari None. Substances subject to exportation None. Substances subject to the Rottero None. Substances subject to the Stockh None. Healthcare controls. Information not available. S.C. Chemical safety assessme	n reporting pursuant to (EC) dam Convention: nolm Convention:	Reg. 689/2008:	contains.	
None. Substances subject to authorisari None. Substances subject to exportation None. Substances subject to the Rottero None. Substances subject to the Stockh None. Healthcare controls. Information not available. .2. Chemical safety assessme	n reporting pursuant to (EC) dam Convention: nolm Convention:		contains.	

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## **INDUSTRIA MAIMERI S.P.A.**

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Text of hazard (H) indications mentioned in section 2-3 of the sheet:			
Aquatic Acute 1 Aquatic Chronic 1 H400 H410	Hazardous to the aquatic environment, acute toxicity, category 1 Hazardous to the aquatic environment, chronic toxicity, category 1 Very toxic to aquatic life. Very toxic to aquatic life with long lasting effects.		
kt of risk (R) phrases	mentioned in section 2-3 of the sheet:		
R50/53	VERY TOXIC TO AQUATIC ORGANISMS, MAY CAUSE LONG-TERM ADVERSE EFFECTS IN THE AQUATIC ENVIRONMENT.		
AS NUMBER: Chem E50: Effective concel E NUMBER: Identifie LP: EC Regulation 12 NEL: Derived No Effe mS: Emergency Schu HS: Globally Harmor ATA DGR: International Contentional Mar DG: International Mar DG: International Mar DG: International Mar DG: International Mar DG: Lethal Concentr D50: Lethal Conc	act Level adule ized System of classification and labeling of chemicals al Air Transport Association Dangerous Goods Regulation oncentration 50% aritime Code for dangerous goods time Organization tifier in Annex VI of CLP ation 50% b coscure Level umulative and toxic as REACH Regulation mental Concentration re level fect concentration n 1907/2006 ming the international transport of dangerous goods by train alue tration that should not be exceeded during any time of occupational exposure.		
OC: Volatile organic	verage exposure limit Compounds and very Bioaccumulative as for REACH Regulation.		
NERAL BIBLIOGRA Directive 1999/45/EC Directive 67/548/EEC Regulation (EC) 1907 Regulation (EC) 1907 Regulation (EC) 790/7 Regulation (EC) 286/7 Fine Merck Index 10 Handling Chemical Si Niosh - Registry of T INRS - Fiche Toxico Patty - Industrial Hys	PHY and following amendments and following amendments and adjustments /2006 (REACH) of the European Parliament /2008 (CLP) of the European Parliament 2009 (I Atp. CLP) of the European Parliament 2010 of the European Parliament 2011 (II Atp. CLP) of the European Parliament th Edition afety oxic Effects of Chemical Substances ogique (toxicological sheet)		

## **V CERULEAN**

SECTION 16. Other information. ... / >>

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Note for users:

The information contained in the present sheet are based on our own knowledge on the date of the last version. Users must verify the suitability and thoroughness of provided information according to each specific use of the product. This document must not be regarded as a guarantee on any specific product property.

The use of this product is not subject to our direct control; therefore, users must, under their own responsibility, comply with the current health and safety laws and regulations. The producer is relieved from any liability arising from improper uses.

Provide appointed staff with adequate training on how to use chemical products.

Changes to previous review:

The following sections were modified: 02 / 03 / 04 / 05 / 06 / 07 / 08 / 09 / 10 / 11 / 12 / 13 / 14 / 15 / 16.

				Dated 19/6/2014 Printed on 19/6/2014	
V PRUSSIAN BLU	JE	1840	2	Page n. 1/6	
	Infor	mation Sh	neet		
SECTION 1. Identification of the su	bstance/mix	xture and of th	ne compan	y/undertaking	
1.1. Product identifier					
Code: Product name	18402 V PRUSSIAN	BLUE 184	02		
1.2. Relevant identified uses of the substance of	r mixture and us	ses advised against	t		
Intended use	Water colour	·.			
1.3. Details of the supplier of the safety data she	eet				
Name Full address District and Country	Via Gianni M 20060 Med Italia	iglia		(MI)	
e-mail address of the competent person responsible for the Safety Data Sheet		02 90698999 ezza@maimeri.it			
Product distribution by	INDUSTRIA M (MI) ITALY	MAIMERI S.P.A. VIA	G.MAIMERI 1	20060 BETTOLINO DI MEDIGLIA	
1.4. Emergency telephone number					
For urgent inquiries refer to	Australia : 13 USA: 1 800 2 Regno Unito		44 (0) 845 46 4	7	
SECTION 2. Hazards identification.					
2.1. Classification of the substance or mixture.					
The product is not classified as hazardous pursu amendments and supplements).	ant to the provisi	ons set forth in EC F	Regulation 1272	/2008 (CLP) (and subsequent	
2.1.1. Regulation 1272/2008 (CLP) and following	amendments ar	nd adjustments.			
Hazard classification and indication:					
2.2. Label elements.					
Hazard pictograms:					
Signal words:					
Hazard statements: Precautionary statements: 2.3. Other hazards.					
Information not available.					
<b>SECTION 3. Composition/informati</b>	on on ingre	dients.			
3.1. Substances.					
Information not relevant.					
3.2. Mixtures.					
The product does not contain substances classif set forth in Directives 67/548/EEC and/or EC Re					

18402

## **SECTION 4. First aid measures.**

### 4.1. Description of first aid measures.

Not specifically necessary. Observance of good industrial hygiene is recommended.

- **4.2. Most important symptoms and effects, both acute and delayed.** No episodes of damage to health ascribable to the product have been reported.
- **4.3. Indication of any immediate medical attention and special treatment needed.** Information not available.

## **SECTION 5. Firefighting measures.**

### 5.1. Extinguishing media.

SUITABLE EXTINGUISHING EQUIPMENT The extinguishing equipment should be of the conventional kind: carbon dioxide, foam, powder and water spray. UNSUITABLE EXTINGUISHING EQUIPMENT None in particular.

## 5.2. Special hazards arising from the substance or mixture.

HAZARDS CAUSED BY EXPOSURE IN THE EVENT OF FIRE

Do not breathe combustion products.

#### 5.3. Advice for firefighters. GENERAL INFORMATION

Use jets of water to cool the containers to prevent product decomposition and the development of substances potentially hazardous for health. Always wear full fire prevention gear. Collect extinguishing water to prevent it from draining into the sewer system. Dispose of contaminated water used for extinction and the remains of the fire according to applicable regulations. SPECIAL PROTECTIVE EQUIPMENT FOR FIRE-FIGHTERS

Normal fire fighting clothing i.e. fire kit (BS EN 469), gloves (BS EN 659) and boots (HO specification A29 and A30) in combination with self-contained open circuit positive pressure compressed air breathing apparatus (BS EN 137).

## **SECTION 6.** Accidental release measures.

## **6.1. Personal precautions, protective equipment and emergency procedures.** Use breathing equipment if fumes or powders are released into the air. These indications apply for both processing staff and those involved in emergency procedures.

### 6.2. Environmental precautions.

The product must not penetrate into the sewer system or come into contact with surface water or ground water.

### 6.3. Methods and material for containment and cleaning up.

Confine using earth or inert material. Collect as much material as possible and eliminate the rest using jets of water. Contaminated material should be disposed of in compliance with the provisions set forth in point 13.

### 6.4. Reference to other sections.

Any information on personal protection and disposal is given in sections 8 and 13.

## SECTION 7. Handling and storage.

### 7.1. Precautions for safe handling.

Before handling the product, consult all the other sections of this material safety data sheet. Avoid leakage of the product into the environment. Do not eat, drink or smoke during use.

## 7.2. Conditions for safe storage, including any incompatibilities.

Keep the product in clearly labelled containers. Keep containers away from any incompatible materials, see section 10 for details.

### 7.3. Specific end use(s).

Information not available.

# **V PRUSSIAN BLUE**

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## SECTION 8. Exposure controls/personal protection.

## 8.1. Control parameters.

Information not available.

### 8.2. Exposure controls.

Observance of safety measures used in handling chemical substances. RESPIRATORY PROTECTION None required. EYE PROTECTION None required. HAND PROTECTION None required. SKIN PROTECTION None required.

## **SECTION 9.** Physical and chemical properties.

9.1. Information on basic physical and chemical properties.			
Appearance	-	paste	
Colour		DEEP BLUE	
Odour		ARABIC GUM	
Odour threshold.		Not available.	
pH.			
Melting point / freezing point.		Not available.	
Initial boiling point.		Not available.	
Boiling range.		Not available.	
Flash point.	>	60 °C.	
Evaporation Rate		Not available.	
Flammability of solids and gases		Not available.	
Lower inflammability limit.		Not available.	
Upper inflammability limit.		Not available.	
Lower explosive limit.		Not available.	
Upper explosive limit.		Not available.	
Vapour pressure.		Not available.	
Vapour density		Not available.	
Relative density.		0,2 Kg/l	
Solubility		INSOLUBLE, DILUTE WITH WATER	
Partition coefficient: n-octanol/water		Not available.	
Auto-ignition temperature.		Not available.	
Decomposition temperature.		Not available.	
Viscosity		35.000 / 40.000 cps	
Explosive properties		Not available.	
Oxidising properties		Not available.	
9.2. Other information.			
Solid content.		46,10 %	
VOC (Directive 1999/13/EC) :		0	
VOC (volatile carbon) :		0	

## **SECTION 10. Stability and reactivity.**

### 10.1. Reactivity.

There are no particular risks of reaction with other substances in normal conditions of use.

### 10.2. Chemical stability.

The product is stable in normal conditions of use and storage.

### 10.3. Possibility of hazardous reactions.

No hazardous reactions are foreseeable in normal conditions of use and storage.

### 10.4. Conditions to avoid.

None in particular. However the usual precautions used for chemical products should be respected.

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SECTION 10. Stability and reactivity. ... / >>

#### **10.5. Incompatible materials.** Information not available.

10.6. Hazardous decomposition products.

Information not available.

## **SECTION 11.** Toxicological information.

According to currently available data, this product has not yet produced health damages. Anyway, it must be handled according to good industrial practices.

### 11.1. Information on toxicological effects.

Information not available.

## **SECTION 12. Ecological information.**

Use this product according to good working practices. Avoid littering. Inform the competent authorities, should the product reach waterways or sewers or contaminate soil or vegetation.

### 12.1. Toxicity.

Information not available.

#### **12.2. Persistence and degradability.** Information not available.

**12.3. Bioaccumulative potential.** Information not available.

## 12.4. Mobility in soil.

Information not available.

### 12.5. Results of PBT and vPvB assessment.

On the basis of available data, the product does not contain any PBT or vPvB in percentage greater than 0,1%.

### 12.6. Other adverse effects.

Information not available.

## **SECTION 13. Disposal considerations.**

### 13.1. Waste treatment methods.

Reuse, when possible. Neat product residues should be considered special non-hazardous waste. Disposal must be performed through an authorised waste management firm, in compliance with national and local regulations. Avoid littering. Do not contaminate soil, sewers and waterways. CONTAMINATED PACKAGING Contaminated packaging must be recovered or disposed of in compliance with national waste management regulations.

## **SECTION 14. Transport information.**

The product is not dangerous under current provisions of the Code of International Carriage of Dangerous Goods by Road (ADR) and by Rail (RID), of the International Maritime Dangerous Goods Code (IMDG), and of the International Air Transport Association (IATA) regulations.

## **SECTION 15. Regulatory information.**

None.

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture.

Seveso category.

Restrictions relating to the product or contained substances pursuant to Annex XVII to EC Regulation 1907/2006. None.

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Substances in Candidate List (Art. 59 REACH).

None.

Substances subject to authorisarion (Annex XIV REACH). None

Substances subject to exportation reporting pursuant to (EC) Reg. 689/2008:

None.

Substances subject to the Rotterdam Convention:

None.

Substances subject to the Stockholm Convention: None.

Healthcare controls. Information not available.

### 15.2. Chemical safety assessment.

No chemical safety assessment has been processed for the mixture and the substances it contains.

## **SECTION 16.** Other information.

LEGEND:

- ADR: European Agreement concerning the carriage of Dangerous goods by Road
- CAS NUMBER: Chemical Abstract Service Number
- CE50: Effective concentration (required to induce a 50% effect)
- CE NUMBER: Identifier in ESIS (European archive of existing substances)
- CLP: EC Regulation 1272/2008
- DNEL: Derived No Effect Level
- EmS: Emergency Schedule
- GHS: Globally Harmonized System of classification and labeling of chemicals
- IATA DGR: International Air Transport Association Dangerous Goods Regulation
- IC50: Immobilization Concentration 50%
- IMDG: International Maritime Code for dangerous goods
- IMO: International Maritime Organization
- INDEX NUMBER: Identifier in Annex VI of CLP
- LC50: Lethal Concentration 50%
- LD50: Lethal dose 50%
- OEL: Occupational Exposure Level
- PBT: Persistent bioaccumulative and toxic as REACH Regulation
- PEC: Predicted environmental Concentration
- PEL: Predicted exposure level
- PNEC: Predicted no effect concentration
- REACH: EC Regulation 1907/2006
- RID: Regulation concerning the international transport of dangerous goods by train
- TLV: Threshold Limit Value
- TLV CEILING: Concentration that should not be exceeded during any time of occupational exposure.
- TWA STEL: Short-term exposure limit
- TWA: Time-weighted average exposure limit
- VOC: Volatile organic Compounds
- vPvB: Very Persistent and very Bioaccumulative as for REACH Regulation.

### GENERAL BIBLIOGRAPHY

- 1. Directive 1999/45/EC and following amendments
- 2. Directive 67/548/EEC and following amendments and adjustments
- 3. Regulation (EC) 1907/2006 (REACH) of the European Parliament
- 4. Regulation (EC) 1272/2008 (CLP) of the European Parliament
- 5. Regulation (EC) 790/2009 (I Atp. CLP) of the European Parliament
- 6. Regulation (EC) 453/2010 of the European Parliament
- 7. Regulation (EC) 286/2011 (II Atp. CLP) of the European Parliament
- 8. The Merck Index. 10th Edition

## V PRUSSIAN BLUE

## SECTION 16. Other information. ... / >>

9. Handling Chemical Safety

10. Niosh - Registry of Toxic Effects of Chemical Substances

11. INRS - Fiche Toxicologique (toxicological sheet)

12. Patty - Industrial Hygiene and Toxicology

13. N.I. Sax - Dangerous properties of Industrial Materials-7, 1989 Edition

14. ECHA website

Note for users:

The information contained in the present sheet are based on our own knowledge on the date of the last version. Users must verify the suitability and thoroughness of provided information according to each specific use of the product.

18402

This document must not be regarded as a guarantee on any specific product property.

The use of this product is not subject to our direct control; therefore, users must, under their own responsibility, comply with the current health and safety laws and regulations. The producer is relieved from any liability arising from improper uses. Provide appointed staff with adequate training on how to use chemical products.

Changes to previous review: The following sections were modified: 01 / 02 / 03 / 08 / 09 / 11 / 12 / 15 / 16. Page 86 of 146

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	Revision nr.1 Dated 19/6/2014		
V ULTRAMARINE	DEEP	18392	Printed on 19/6/2014 Page n. 1 / 6
	Inform	ation Sheet	
SECTION 1. Identification of the s	substance/mixtu	re and of the com	ipany/undertaking
1.1. Product identifier			
Code: Product name	18392 V ULTRAMARINI	E DEEP 18392	
1.2. Relevant identified uses of the substance	or mixture and uses a	advised against	
Intended use	Water colour.		
1.3. Details of the supplier of the safety data s	sheet		
Name Full address District and Country	INDUSTRIA MAII Via Gianni Maim 20060 Mediglia Italia Tel. +39 02 9	eri, 1 1 106981	(MI)
e-mail address of the competent person responsible for the Safety Data Sheet	Fax +39 02 9 schedesicurezza	0698999 n@maimeri.it	
Product distribution by	INDUSTRIA MAII (MI) ITALY	VERI S.P.A. VIA G.MAIM	ERI 1 20060 BETTOLINO DI MEDIGLIA
1.4. Emergency telephone number			
For urgent inquiries refer to	Australia : 13112 USA: 1 800 222 Regno Unito NH		5 46 47
SECTION 2. Hazards identificatio	n.		
2.1. Classification of the substance or mixture	э.		
The product is not classified as hazardous pur amendments and supplements).	rsuant to the provisions	set forth in EC Regulation	n 1272/2008 (CLP) (and subsequent
2.1.1. Regulation 1272/2008 (CLP) and followin	ng amendments and a	djustments.	
Hazard classification and indication:			
2.2. Label elements.			
Hazard pictograms:			
Signal words:			
Hazard statements: Precautionary statements: 2.3. Other hazards.			
Information not available.			
SECTION 3. Composition/informa	ation on ingredie	nts.	
3.1. Substances.			
Information not relevant.			
3.2. Mixtures.			
The product does not contain substances clas set forth in Directives 67/548/EEC and/or EC I			
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## INDUSTRIA MAIMERI S.P.A.

18392

## **SECTION 4. First aid measures.**

### 4.1. Description of first aid measures.

Not specifically necessary. Observance of good industrial hygiene is recommended.

- **4.2. Most important symptoms and effects, both acute and delayed.** No episodes of damage to health ascribable to the product have been reported.
- **4.3. Indication of any immediate medical attention and special treatment needed.** Information not available.

## **SECTION 5. Firefighting measures.**

### 5.1. Extinguishing media.

SUITABLE EXTINGUISHING EQUIPMENT The extinguishing equipment should be of the conventional kind: carbon dioxide, foam, powder and water spray. UNSUITABLE EXTINGUISHING EQUIPMENT None in particular.

## 5.2. Special hazards arising from the substance or mixture.

HAZARDS CAUSED BY EXPOSURE IN THE EVENT OF FIRE

Do not breathe combustion products.

#### 5.3. Advice for firefighters. GENERAL INFORMATION

Use jets of water to cool the containers to prevent product decomposition and the development of substances potentially hazardous for health. Always wear full fire prevention gear. Collect extinguishing water to prevent it from draining into the sewer system. Dispose of contaminated water used for extinction and the remains of the fire according to applicable regulations. SPECIAL PROTECTIVE EQUIPMENT FOR FIRE-FIGHTERS

Normal fire fighting clothing i.e. fire kit (BS EN 469), gloves (BS EN 659) and boots (HO specification A29 and A30) in combination with self-contained open circuit positive pressure compressed air breathing apparatus (BS EN 137).

## **SECTION 6.** Accidental release measures.

## **6.1. Personal precautions, protective equipment and emergency procedures.** Use breathing equipment if fumes or powders are released into the air. These indications apply for both processing staff and those involved in emergency procedures.

### 6.2. Environmental precautions.

The product must not penetrate into the sewer system or come into contact with surface water or ground water.

### 6.3. Methods and material for containment and cleaning up.

Confine using earth or inert material. Collect as much material as possible and eliminate the rest using jets of water. Contaminated material should be disposed of in compliance with the provisions set forth in point 13.

### 6.4. Reference to other sections.

Any information on personal protection and disposal is given in sections 8 and 13.

## SECTION 7. Handling and storage.

### 7.1. Precautions for safe handling.

Before handling the product, consult all the other sections of this material safety data sheet. Avoid leakage of the product into the environment. Do not eat, drink or smoke during use.

## 7.2. Conditions for safe storage, including any incompatibilities.

Keep the product in clearly labelled containers. Keep containers away from any incompatible materials, see section 10 for details.

### 7.3. Specific end use(s).

Information not available.

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## SECTION 8. Exposure controls/personal protection.

## 8.1. Control parameters.

Information not available.

### 8.2. Exposure controls.

Observance of safety measures used in handling chemical substances. RESPIRATORY PROTECTION None required. EYE PROTECTION None required. HAND PROTECTION None required. SKIN PROTECTION None required.

## **SECTION 9.** Physical and chemical properties.

9.1. Information on basic physical and chemical properties.			
Appearance	-	paste	
Colour		DEEP BLUE	
Odour		ARABIC GUM	
Odour threshold.		Not available.	
pH.			
Melting point / freezing point.		Not available.	
Initial boiling point.		Not available.	
Boiling range.		Not available.	
Flash point.	>	60 °C.	
Evaporation Rate		Not available.	
Flammability of solids and gases		Not available.	
Lower inflammability limit.		Not available.	
Upper inflammability limit.		Not available.	
Lower explosive limit.		Not available.	
Upper explosive limit.		Not available.	
Vapour pressure.		Not available.	
Vapour density		Not available.	
Relative density.		0,2 Kg/l	
Solubility		INSOLUBLE, DILUTE WITH WATER	
Partition coefficient: n-octanol/water		Not available.	
Auto-ignition temperature.		Not available.	
Decomposition temperature.		Not available.	
Viscosity		35.000 / 40.000 cps	
Explosive properties		Not available.	
Oxidising properties		Not available.	
9.2. Other information.			
Solid content.		59,12 %	
VOC (Directive 1999/13/EC) :		0	
VOC (volatile carbon) :		0	

## **SECTION 10. Stability and reactivity.**

### 10.1. Reactivity.

There are no particular risks of reaction with other substances in normal conditions of use.

### 10.2. Chemical stability.

The product is stable in normal conditions of use and storage.

## 10.3. Possibility of hazardous reactions.

No hazardous reactions are foreseeable in normal conditions of use and storage.

### 10.4. Conditions to avoid.

None in particular. However the usual precautions used for chemical products should be respected.

## V ULTRAMARINE DEEP

SECTION 10. Stability and reactivity. ... / >>

#### **10.5. Incompatible materials.** Information not available.

information not available.

## 10.6. Hazardous decomposition products.

Information not available.

## **SECTION 11.** Toxicological information.

According to currently available data, this product has not yet produced health damages. Anyway, it must be handled according to good industrial practices.

18392

### 11.1. Information on toxicological effects.

Information not available.

## **SECTION 12. Ecological information.**

Use this product according to good working practices. Avoid littering. Inform the competent authorities, should the product reach waterways or sewers or contaminate soil or vegetation.

### 12.1. Toxicity.

Information not available.

#### **12.2. Persistence and degradability.** Information not available.

- **12.3. Bioaccumulative potential.** Information not available.
- 12.4. Mobility in soil.

Information not available.

### 12.5. Results of PBT and vPvB assessment.

On the basis of available data, the product does not contain any PBT or vPvB in percentage greater than 0,1%.

### 12.6. Other adverse effects.

Information not available.

## **SECTION 13.** Disposal considerations.

### 13.1. Waste treatment methods.

Reuse, when possible. Neat product residues should be considered special non-hazardous waste. Disposal must be performed through an authorised waste management firm, in compliance with national and local regulations. Avoid littering. Do not contaminate soil, sewers and waterways. CONTAMINATED PACKAGING Contaminated packaging must be recovered or disposed of in compliance with national waste management regulations.

## **SECTION 14. Transport information.**

The product is not dangerous under current provisions of the Code of International Carriage of Dangerous Goods by Road (ADR) and by Rail (RID), of the International Maritime Dangerous Goods Code (IMDG), and of the International Air Transport Association (IATA) regulations.

## **SECTION 15. Regulatory information.**

None.

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture.

Seveso category.

Restrictions relating to the product or contained substances pursuant to Annex XVII to EC Regulation 1907/2006. None.

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SECTION 15. Regulatory information / >>		
Substances in Candidate List (Art. 59 REACH).		
Substances subject to authorisarion (Annex XIV REACH).		
Substances subject to exportation reporting pursuant to (EC) Reg. 689/2008: None.		
Substances subject to the Rotterdam Convention: None.		
Substances subject to the Stockholm Convention:None.		
Healthcare controls. Information not available.		
15.2. Chemical safety assessment.		
No chemical safety assessment has been processed for the mixture and	the substances it contains.	
SECTION 16. Other information.		
LEGEND: ADR: European Agreement concerning the carriage of Dangerous good CAS NUMBER: Chemical Abstract Service Number CE50: Effective concentration (required to induce a 50% effect) CE NUMBER: Identifier in ESIS (European archive of existing substance CLP: EC Regulation 1272/2008 DNEL: Derived No Effect Level EmS: Emergency Schedule GHS: Globally Harmonized System of classification and labeling of cher IATA DGR: International Air Transport Association Dangerous Goods R IC50: Immobilization Concentration 50% IMDG: International Maritime Organization INDEX NUMBER: Identifier in Annex VI of CLP LC50: Lethal Concentration 50% OEL: Occupational Exposure Level PBT: Persistent bioaccumulative and toxic as REACH Regulation PEC: Predicted environmental Concentration PEL: Predicted exposure level PNEC: Predicted no effect concentration REACH: EC Regulation 1907/2006 RID: Regulation concerning the international transport of dangerous good TLV: Threshold Limit Value TLV CEILING: Concentration that should not be exceeded during any til TWA STEL: Short-term exposure limit - TWA: Time-weighted average exposure limit - TWA: Time-weighted average exposure limit - VOC: Volatile organic Compounds - VPB: Very Persistent and very Bioaccumulative as for REACH Regulation	es) nicals egulation ods by train me of occupational exposure	e.
<ul> <li>GENERAL BIBLIOGRAPHY</li> <li>1. Directive 1999/45/EC and following amendments</li> <li>2. Directive 67/548/EEC and following amendments and adjustments</li> <li>3. Regulation (EC) 1907/2006 (REACH) of the European Parliament</li> <li>4. Regulation (EC) 1272/2008 (CLP) of the European Parliament</li> <li>5. Regulation (EC) 790/2009 (I Atp. CLP) of the European Parliament</li> <li>6. Regulation (EC) 453/2010 of the European Parliament</li> <li>7. Regulation (EC) 286/2011 (II Atp. CLP) of the European Parliament</li> <li>8. The Merck Index 10th Edition</li> </ul>		

V ULTRAMARINE DEEP

SECTION 16. Other information. ... / >>

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9. Handling Chemical Safety

10. Niosh - Registry of Toxic Effects of Chemical Substances

11. INRS - Fiche Toxicologique (toxicological sheet)

12. Patty - Industrial Hygiene and Toxicology

13. N.I. Sax - Dangerous properties of Industrial Materials-7, 1989 Edition

14. ECHA website

Note for users:

The information contained in the present sheet are based on our own knowledge on the date of the last version. Users must verify the suitability and thoroughness of provided information according to each specific use of the product.

This document must not be regarded as a guarantee on any specific product property.

The use of this product is not subject to our direct control; therefore, users must, under their own responsibility, comply with the current health and safety laws and regulations. The producer is relieved from any liability arising from improper uses. Provide appointed staff with adequate training on how to use chemical products.

Changes to previous review: The following sections were modified: 01 / 02 / 08 / 09 / 11 / 12 / 15 / 16.

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	INDUSTRIA MAIMERI S.P.A.		
V PERMAN.VIOL.I	REDDIS	18465	Printed on 19/6/2014 Page n. 1 / 6
	Informa	tion Sheet	
SECTION 1. Identification of the s	ubstance/mixture	e and of the comp	pany/undertaking
1.1. Product identifier			
Code: Product name	18465 V PERMAN.VIOL.F	REDDIS 18465	
1.2. Relevant identified uses of the substance	or mixture and uses ad	vised against	
Intended use	Water colour.		
1.3. Details of the supplier of the safety data s	heet		
Name Full address District and Country	INDUSTRIA MAIMI Via Gianni Maimer 20060 Mediglia Italia Tel. +39 02 900 Fax +39 02 90	i, 1 6981	(MI)
e-mail address of the competent person responsible for the Safety Data Sheet	schedesicurezza@		
Product distribution by	INDUSTRIA MAIMI (MI) ITALY	ERI S.P.A. VIA G.MAIME	RI 1 20060 BETTOLINO DI MEDIGLIA
1.4. Emergency telephone number			
For urgent inquiries refer to	Australia : 131126 USA: 1 800 222 12 Regno Unito NHS		46 47
SECTION 2. Hazards identification	n.		
2.1. Classification of the substance or mixture	».		
The product is not classified as hazardous pur amendments and supplements).	suant to the provisions se	et forth in EC Regulation <sup>·</sup>	1272/2008 (CLP) (and subsequent
2.1.1. Regulation 1272/2008 (CLP) and following	ng amendments and adj	justments.	
Hazard classification and indication:			
2.2. Label elements.			
Hazard pictograms:			
Signal words:			
Hazard statements: Precautionary statements: 2.3. Other hazards.			
Information not available.			
SECTION 3. Composition/informa	tion on ingredier	its.	
3.1. Substances.			
Information not relevant.			
3.2. Mixtures.			
The product does not contain substances clas set forth in Directives 67/548/EEC and/or EC f			
			EPY 8.1.21 - SDS 1003

MSDS for #00397 - MAIMERI VENEZIA WC

## INDUSTRIA MAIMERI S.P.A.

18465

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## **SECTION 4. First aid measures.**

### 4.1. Description of first aid measures.

Not specifically necessary. Observance of good industrial hygiene is recommended.

- **4.2. Most important symptoms and effects, both acute and delayed.** No episodes of damage to health ascribable to the product have been reported.
- **4.3. Indication of any immediate medical attention and special treatment needed.** Information not available.

## **SECTION 5. Firefighting measures.**

### 5.1. Extinguishing media.

SUITABLE EXTINGUISHING EQUIPMENT The extinguishing equipment should be of the conventional kind: carbon dioxide, foam, powder and water spray. UNSUITABLE EXTINGUISHING EQUIPMENT None in particular.

## 5.2. Special hazards arising from the substance or mixture.

HAZARDS CAUSED BY EXPOSURE IN THE EVENT OF FIRE

Do not breathe combustion products.

#### 5.3. Advice for firefighters. GENERAL INFORMATION

Use jets of water to cool the containers to prevent product decomposition and the development of substances potentially hazardous for health. Always wear full fire prevention gear. Collect extinguishing water to prevent it from draining into the sewer system. Dispose of contaminated water used for extinction and the remains of the fire according to applicable regulations. SPECIAL PROTECTIVE EQUIPMENT FOR FIRE-FIGHTERS

Normal fire fighting clothing i.e. fire kit (BS EN 469), gloves (BS EN 659) and boots (HO specification A29 and A30) in combination with self-contained open circuit positive pressure compressed air breathing apparatus (BS EN 137).

## **SECTION 6.** Accidental release measures.

## 6.1. Personal precautions, protective equipment and emergency procedures. Use breathing equipment if fumes or powders are released into the air. These indications apply for both processing staff and those involved in emergency procedures.

### 6.2. Environmental precautions.

The product must not penetrate into the sewer system or come into contact with surface water or ground water.

### 6.3. Methods and material for containment and cleaning up.

Confine using earth or inert material. Collect as much material as possible and eliminate the rest using jets of water. Contaminated material should be disposed of in compliance with the provisions set forth in point 13.

### 6.4. Reference to other sections.

Any information on personal protection and disposal is given in sections 8 and 13.

## SECTION 7. Handling and storage.

### 7.1. Precautions for safe handling.

Before handling the product, consult all the other sections of this material safety data sheet. Avoid leakage of the product into the environment. Do not eat, drink or smoke during use.

## 7.2. Conditions for safe storage, including any incompatibilities.

Keep the product in clearly labelled containers. Keep containers away from any incompatible materials, see section 10 for details.

### 7.3. Specific end use(s).

Information not available.

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## 8.1. Control parameters.

Information not available.

### 8.2. Exposure controls.

Observance of safety measures used in handling chemical substances. RESPIRATORY PROTECTION None required. EYE PROTECTION None required. HAND PROTECTION None required. SKIN PROTECTION None required.

## **SECTION 9.** Physical and chemical properties.

9.1. Information on basic physical and chemical properties.			
Appearance	-	paste	
Colour		RED VIOLET	
Odour		ARABIC GUM	
Odour threshold.		Not available.	
pH.			
Melting point / freezing point.		Not available.	
Initial boiling point.		Not available.	
Boiling range.		Not available.	
Flash point.	>	60 °C.	
Evaporation Rate		Not available.	
Flammability of solids and gases		Not available.	
Lower inflammability limit.		Not available.	
Upper inflammability limit.		Not available.	
Lower explosive limit.		Not available.	
Upper explosive limit.		Not available.	
Vapour pressure.		Not available.	
Vapour density		Not available.	
Relative density.		0,2 Kg/l	
Solubility		INSOLUBLE, DILUTE WITH WATER	
Partition coefficient: n-octanol/water		Not available.	
Auto-ignition temperature.		Not available.	
Decomposition temperature.		Not available.	
Viscosity		35.000 / 40.000 cps	
Explosive properties		Not available.	
Oxidising properties		Not available.	
9.2. Other information.			
Solid content.		43,83 %	
VOC (Directive 1999/13/EC) :		0	
VOC (volatile carbon) :		0	

## **SECTION 10. Stability and reactivity.**

### 10.1. Reactivity.

There are no particular risks of reaction with other substances in normal conditions of use.

### 10.2. Chemical stability.

The product is stable in normal conditions of use and storage.

### 10.3. Possibility of hazardous reactions.

No hazardous reactions are foreseeable in normal conditions of use and storage.

### 10.4. Conditions to avoid.

None in particular. However the usual precautions used for chemical products should be respected.

## **V PERMAN.VIOL.REDDIS**

SECTION 10. Stability and reactivity. ... / >>

#### **10.5. Incompatible materials.** Information not available.

mormation not available.

## 10.6. Hazardous decomposition products.

Information not available.

## **SECTION 11.** Toxicological information.

According to currently available data, this product has not yet produced health damages. Anyway, it must be handled according to good industrial practices.

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### 11.1. Information on toxicological effects.

Information not available.

## **SECTION 12. Ecological information.**

Use this product according to good working practices. Avoid littering. Inform the competent authorities, should the product reach waterways or sewers or contaminate soil or vegetation.

### 12.1. Toxicity.

Information not available.

#### **12.2. Persistence and degradability.** Information not available.

- **12.3. Bioaccumulative potential.** Information not available.
- 12.4. Mobility in soil.

Information not available.

### 12.5. Results of PBT and vPvB assessment.

On the basis of available data, the product does not contain any PBT or vPvB in percentage greater than 0,1%.

### 12.6. Other adverse effects.

Information not available.

## **SECTION 13.** Disposal considerations.

### 13.1. Waste treatment methods.

Reuse, when possible. Neat product residues should be considered special non-hazardous waste. Disposal must be performed through an authorised waste management firm, in compliance with national and local regulations. Avoid littering. Do not contaminate soil, sewers and waterways. CONTAMINATED PACKAGING Contaminated packaging must be recovered or disposed of in compliance with national waste management regulations.

## **SECTION 14. Transport information.**

The product is not dangerous under current provisions of the Code of International Carriage of Dangerous Goods by Road (ADR) and by Rail (RID), of the International Maritime Dangerous Goods Code (IMDG), and of the International Air Transport Association (IATA) regulations.

## **SECTION 15. Regulatory information.**

None.

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture.

Seveso category.

Restrictions relating to the product or contained substances pursuant to Annex XVII to EC Regulation 1907/2006. None.

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TION 15. Regulatory information / >>	
ubstances in Candidate List (Art. 59 REACH) one.	
ubstances subject to authorisarion (Annex XIV REACH).	
one.	
ubstances subject to exportation reporting pursuant to (EC) Reg. 689/2008: one.	
ubstances subject to the Rotterdam Convention: one.	
ubstances subject to the Stockholm Convention: one.	
ealthcare controls	
formation not available.	
. Chemical safety assessment.	ontains
CTION 16. Other information.	
ADR: European Agreement concerning the carriage of Dangerous goods by Road CAS NUMBER: Chemical Abstract Service Number CE50: Effective concentration (required to induce a 50% effect) CE NUMBER: Identifier in ESIS (European archive of existing substances) CLP: EC Regulation 1272/2008 DNEL: Derived No Effect Level EmS: Emergency Schedule GHS: Globally Harmonized System of classification and labeling of chemicals IATA DGR: International Air Transport Association Dangerous Goods Regulation IC50: Immobilization Concentration 50% IMDG: International Maritime Code for dangerous goods IMO: International Maritime Code for dangerous goods IMO: International Maritime Organization INDEX NUMBER: Identifier in Annex VI of CLP LC50: Lethal Concentration 50% DD50: Lethal dose 50% OEL: Occupational Exposure Level PBT: Persistent bioaccumulative and toxic as REACH Regulation PEC: Predicted environmental Concentration PEL: Predicted environmental Concentration REACH: EC Regulation 1907/2006 RID: Regulation concerning the international transport of dangerous goods by train TLV: Threshold Limit Value TLV CEILING: Concentration that should not be exceeded during any time of occupational of TWA STEL: Short-term exposure limit TWA: Time-weighted average exposure limit VOC: Volatile organic Compounds vPvB: Very Persistent and very Bioaccumulative as for REACH Regulation.	exposure.
ENERAL BIBLIOGRAPHY . Directive 1999/45/EC and following amendments . Directive 67/548/EEC and following amendments and adjustments . Regulation (EC) 1907/2006 (REACH) of the European Parliament . Regulation (EC) 1272/2008 (CLP) of the European Parliament . Regulation (EC) 790/2009 (I Atp. CLP) of the European Parliament . Regulation (EC) 453/2010 of the European Parliament . Regulation (EC) 286/2011 (II Atp. CLP) of the European Parliament . Regulation (EC) 286/2011 (II Atp. CLP) of the European Parliament . The Merck Index 10th Edition	
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9. Handling Chemical Safety

10. Niosh - Registry of Toxic Effects of Chemical Substances

11. INRS - Fiche Toxicologique (toxicological sheet)

12. Patty - Industrial Hygiene and Toxicology

13. N.I. Sax - Dangerous properties of Industrial Materials-7, 1989 Edition

14. ECHA website

Note for users:

The information contained in the present sheet are based on our own knowledge on the date of the last version. Users must verify the suitability and thoroughness of provided information according to each specific use of the product.

This document must not be regarded as a guarantee on any specific product property.

The use of this product is not subject to our direct control; therefore, users must, under their own responsibility, comply with the current health and safety laws and regulations. The producer is relieved from any liability arising from improper uses. Provide appointed staff with adequate training on how to use chemical products.

Changes to previous review: The following sections were modified: 01 / 02 / 08 / 09 / 11 / 12 / 15 / 16.

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V FERMAN. VIOLE		10403			
Information Sheet					
SECTION 1. Identification of the s	ubstance/mixture	and of the compa	ny/undertaking		
1.1. Product identifier					
Code: Product name	18463 V PERMAN.VIOLE	T BLUE 18463			
1.2. Relevant identified uses of the substance	or mixture and uses ad	vised against			
Intended use	Water colour.				
1.3. Details of the supplier of the safety data s	sheet				
Name Full address District and Country	INDUSTRIA MAIMI Via Gianni Maimer 20060 Mediglia Italia Tel. +39 02 900	i, 1	(MI)		
e-mail address of the competent person responsible for the Safety Data Sheet	Fax +39 02 900 schedesicurezza@				
Product distribution by	INDUSTRIA MAIMI (MI) ITALY	INDUSTRIA MAIMERI S.P.A. VIA G.MAIMERI 1 20060 BETTOLINO DI MEDIGLIA			
1.4. Emergency telephone number					
For urgent inquiries refer to	Australia : 131126 USA:  1 800 222 12 Regno Unito NHS	22 Direct (UK): +44 (0) 845 46	6 47		
SECTION 2. Hazards identification	n.				
2.1. Classification of the substance or mixture	Э.				
The product is not classified as hazardous pur amendments and supplements).	rsuant to the provisions se	et forth in EC Regulation 12	72/2008 (CLP) (and subsequent		
2.1.1. Regulation 1272/2008 (CLP) and following	ng amendments and adj	ustments.			
Hazard classification and indication:					
2.2. Label elements.					
Hazard pictograms:					
Signal words:					
Hazard statements: Precautionary statements: 2.3. Other hazards					
Information not available.					
SECTION 3. Composition/informa	tion on ingredien	ts.			
3.1. Substances.					
Information not relevant.					
3.2. Mixtures.					
The product does not contain substances clas set forth in Directives 67/548/EEC and/or EC I					
			@ EPY 8.1.21 - SDS 1003		

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## INDUSTRIA MAIMERI S.P.A.

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## **SECTION 4. First aid measures.**

### 4.1. Description of first aid measures.

Not specifically necessary. Observance of good industrial hygiene is recommended.

- **4.2. Most important symptoms and effects, both acute and delayed.** No episodes of damage to health ascribable to the product have been reported.
- **4.3. Indication of any immediate medical attention and special treatment needed.** Information not available.

## **SECTION 5. Firefighting measures.**

### 5.1. Extinguishing media.

SUITABLE EXTINGUISHING EQUIPMENT The extinguishing equipment should be of the conventional kind: carbon dioxide, foam, powder and water spray. UNSUITABLE EXTINGUISHING EQUIPMENT None in particular.

## 5.2. Special hazards arising from the substance or mixture.

HAZARDS CAUSED BY EXPOSURE IN THE EVENT OF FIRE

Do not breathe combustion products.

#### 5.3. Advice for firefighters. GENERAL INFORMATION

Use jets of water to cool the containers to prevent product decomposition and the development of substances potentially hazardous for health. Always wear full fire prevention gear. Collect extinguishing water to prevent it from draining into the sewer system. Dispose of contaminated water used for extinction and the remains of the fire according to applicable regulations. SPECIAL PROTECTIVE EQUIPMENT FOR FIRE-FIGHTERS

Normal fire fighting clothing i.e. fire kit (BS EN 469), gloves (BS EN 659) and boots (HO specification A29 and A30) in combination with

self-contained open circuit positive pressure compressed air breathing apparatus (BS EN 137).

## **SECTION 6.** Accidental release measures.

## 6.1. Personal precautions, protective equipment and emergency procedures. Use breathing equipment if fumes or powders are released into the air. These indications apply for both processing staff and those involved in emergency procedures.

6.2. Environmental precautions.

The product must not penetrate into the sewer system or come into contact with surface water or ground water.

### 6.3. Methods and material for containment and cleaning up.

Confine using earth or inert material. Collect as much material as possible and eliminate the rest using jets of water. Contaminated material should be disposed of in compliance with the provisions set forth in point 13.

### 6.4. Reference to other sections.

Any information on personal protection and disposal is given in sections 8 and 13.

## SECTION 7. Handling and storage.

### 7.1. Precautions for safe handling.

Before handling the product, consult all the other sections of this material safety data sheet. Avoid leakage of the product into the environment. Do not eat, drink or smoke during use.

### 7.2. Conditions for safe storage, including any incompatibilities.

Keep the product in clearly labelled containers. Keep containers away from any incompatible materials, see section 10 for details.

### 7.3. Specific end use(s).

Information not available.

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### 8.1. Control parameters.

Information not available.

### 8.2. Exposure controls.

Observance of safety measures used in handling chemical substances. RESPIRATORY PROTECTION None required. EYE PROTECTION None required. HAND PROTECTION None required. SKIN PROTECTION None required.

## **SECTION 9.** Physical and chemical properties.

9.1. Information on basic physical and chemical properties.				
Appearance	paste			
Colour	VIOLET BLUE			
Odour	ARABIC GUM			
Odour threshold.	Not available.			
pH.				
Melting point / freezing point.	Not available.			
Initial boiling point.	Not available.			
Boiling range.	Not available.			
Flash point. >	60 °C.			
Evaporation Rate	Not available.			
Flammability of solids and gases	Not available.			
Lower inflammability limit.	Not available.			
Upper inflammability limit.	Not available.			
Lower explosive limit.	Not available.			
Upper explosive limit.	Not available.			
Vapour pressure.	Not available.			
Vapour density	Not available.			
Relative density.	0,2 Kg/l			
Solubility	INSOLUBLE, DILUTE WITH WATER			
Partition coefficient: n-octanol/water	Not available.			
Auto-ignition temperature.	Not available.			
Decomposition temperature.	Not available.			
Viscosity	35.000 / 40.000 cps			
Explosive properties	Not available.			
Oxidising properties	Not available.			
9.2. Other information.				
Solid content.	43,53 %			
VOC (Directive 1999/13/EC) :	0			
VOC (volatile carbon) :	0			

## **SECTION 10. Stability and reactivity.**

### 10.1. Reactivity.

There are no particular risks of reaction with other substances in normal conditions of use.

### 10.2. Chemical stability.

The product is stable in normal conditions of use and storage.

## 10.3. Possibility of hazardous reactions.

No hazardous reactions are foreseeable in normal conditions of use and storage.

### 10.4. Conditions to avoid.

None in particular. However the usual precautions used for chemical products should be respected.

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SECTION 10. Stability and reactivity. ... / >>

#### **10.5. Incompatible materials.** Information not available.

10.6. Hazardous decomposition products.

Information not available.

## **SECTION 11.** Toxicological information.

According to currently available data, this product has not yet produced health damages. Anyway, it must be handled according to good industrial practices.

### 11.1. Information on toxicological effects.

Information not available.

## **SECTION 12. Ecological information.**

Use this product according to good working practices. Avoid littering. Inform the competent authorities, should the product reach waterways or sewers or contaminate soil or vegetation.

### 12.1. Toxicity.

Information not available.

#### **12.2. Persistence and degradability.** Information not available.

**12.3. Bioaccumulative potential.** Information not available.

## 12.4. Mobility in soil.

Information not available.

### 12.5. Results of PBT and vPvB assessment.

On the basis of available data, the product does not contain any PBT or vPvB in percentage greater than 0,1%.

### 12.6. Other adverse effects.

Information not available.

## **SECTION 13.** Disposal considerations.

13.1. Waste treatment methods.

Reuse, when possible. Neat product residues should be considered special non-hazardous waste. Disposal must be performed through an authorised waste management firm, in compliance with national and local regulations. Avoid littering. Do not contaminate soil, sewers and waterways. CONTAMINATED PACKAGING Contaminated packaging must be recovered or disposed of in compliance with national waste management regulations.

## **SECTION 14. Transport information.**

The product is not dangerous under current provisions of the Code of International Carriage of Dangerous Goods by Road (ADR) and by Rail (RID), of the International Maritime Dangerous Goods Code (IMDG), and of the International Air Transport Association (IATA) regulations.

## **SECTION 15. Regulatory information.**

None.

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture.

Seveso category.

Restrictions relating to the product or contained substances pursuant to Annex XVII to EC Regulation 1907/2006. None.

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V PERMAN.VIOLET BLUE	18463	Printed on 19/6/2014 Page n. 5 / 6	
CTION 15. Regulatory information / >>			
Substances in Candidate List (Art. 59 REACH). None.			
Substances subject to authorisarion (Annex XIV REACH). None.			
Substances subject to exportation reporting pursuant to (EC) Reg. 689/2008 None.			
Substances subject to the Rotterdam Convention:			
Substances subject to the Stockholm Convention:			
Healthcare controls. Information not available.			
.2. Chemical safety assessment.			
No chemical safety assessment has been processed for the mixture and	I the substances it contain	IS.	
ECTION 16. Other information.			
<ul> <li>CAS NUMBER: Chemical Abstract Service Number</li> <li>CE50: Effective concentration (required to induce a 50% effect)</li> <li>CE NUMBER: Identifier in ESIS (European archive of existing substan</li> <li>CLP: EC Regulation 1272/2008</li> <li>DNEL: Derived No Effect Level</li> <li>EmS: Emergency Schedule</li> <li>GHS: Globally Harmonized System of classification and labeling of che</li> <li>IATA DGR: International Air Transport Association Dangerous Goods I</li> <li>IC50: Immobilization Concentration 50%</li> <li>IMDG: International Maritime Code for dangerous goods</li> <li>IMO: International Maritime Organization</li> <li>INDEX NUMBER: Identifier in Annex VI of CLP</li> <li>LC50: Lethal Concentration 50%</li> <li>OEL: Occupational Exposure Level</li> <li>PBT: Persistent bioaccumulative and toxic as REACH Regulation</li> <li>PEC: Predicted environmental Concentration</li> <li>PEL: Predicted no effect concentration</li> <li>REACH: EC Regulation 1907/2006</li> <li>RID: Regulation concerning the international transport of dangerous go</li> <li>TLV CEILING: Concentration that should not be exceeded during any TWA STEL: Short-term exposure limit</li> <li>TWA: Time-weighted average exposure limit</li> <li>VOC: Volatile organic Compounds</li> <li>vPvB: Very Persistent and very Bioaccumulative as for REACH Regulation</li> </ul>	emicals Regulation bods by train time of occupational expos	sure.	
GENERAL BIBLIOGRAPHY 1. Directive 1999/45/EC and following amendments 2. Directive 67/548/EEC and following amendments and adjustments 3. Regulation (EC) 1907/2006 (REACH) of the European Parliament			

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## V PERMAN.VIOLET BLUE SECTION 16. Other information. .../>>

9. Handling Chemical Safety

10. Niosh - Registry of Toxic Effects of Chemical Substances

11. INRS - Fiche Toxicologique (toxicological sheet)

12. Patty - Industrial Hygiene and Toxicology

13. N.I. Sax - Dangerous properties of Industrial Materials-7, 1989 Edition

14. ECHA website

Note for users:

The information contained in the present sheet are based on our own knowledge on the date of the last version. Users must verify the suitability and thoroughness of provided information according to each specific use of the product.

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This document must not be regarded as a guarantee on any specific product property.

The use of this product is not subject to our direct control; therefore, users must, under their own responsibility, comply with the current health and safety laws and regulations. The producer is relieved from any liability arising from improper uses. Provide appointed staff with adequate training on how to use chemical products.

Changes to previous review: The following sections were modified: 01 / 02 / 08 / 09 / 11 / 12 / 15 / 16.

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Page 105 of 146 MSDS for #00397 - MAIMERI VENEZIA WC **INDUSTRIA MAIMERI S.P.A.** Revision nr.1 Dated 19/6/2014 Printed on 19/6/2014 V SAP GREEN 18358 Page n. 1/6 Information Sheet SECTION 1. Identification of the substance/mixture and of the company/undertaking 1.1. Product identifier Code: 18358 Product name V SAP GREEN 18358 1.2. Relevant identified uses of the substance or mixture and uses advised against Intended use Water colour. 1.3. Details of the supplier of the safety data sheet Name INDUSTRIA MAIMERI S.P.A. Full address Via Gianni Maimeri, 1 District and Country 20060 Mediglia (MI) Italia Tel. +39 02 906981 Fax +39 02 90698999 e-mail address of the competent person responsible for the Safety Data Sheet schedesicurezza@maimeri.it INDUSTRIA MAIMERI S.P.A. VIA G.MAIMERI 1 20060 BETTOLINO DI MEDIGLIA Product distribution by (MI) ITALY 1.4. Emergency telephone number Australia : 131126 For urgent inquiries refer to USA: 1 800 222 1222 Regno Unito NHS Direct (UK): +44 (0) 845 46 47 **SECTION 2. Hazards identification.** 2.1. Classification of the substance or mixture. The product is not classified as hazardous pursuant to the provisions set forth in EC Regulation 1272/2008 (CLP) (and subsequent amendments and supplements). 2.1.1. Regulation 1272/2008 (CLP) and following amendments and adjustments. Hazard classification and indication: 2.2. Label elements. Hazard pictograms: Signal words: Hazard statements: Precautionary statements: 2.3. Other hazards. Information not available. **SECTION 3. Composition/information on ingredients.** 3.1. Substances. Information not relevant. 3.2. Mixtures. The product does not contain substances classified as being hazardous to human health or the environment pursuant to the provisions set forth in Directives 67/548/EEC and/or EC Regulation 1272/2008 (CLP) (and subsequent amendments and supplements).

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## **SECTION 4. First aid measures.**

### 4.1. Description of first aid measures.

Not specifically necessary. Observance of good industrial hygiene is recommended.

- 4.2. Most important symptoms and effects, both acute and delayed. No episodes of damage to health ascribable to the product have been reported.
- 4.3. Indication of any immediate medical attention and special treatment needed. Information not available.

## **SECTION 5. Firefighting measures.**

### 5.1. Extinguishing media.

SUITABLE EXTINGUISHING EQUIPMENT The extinguishing equipment should be of the conventional kind: carbon dioxide, foam, powder and water spray. UNSUITABLE EXTINGUISHING EQUIPMENT None in particular.

## 5.2. Special hazards arising from the substance or mixture.

HAZARDS CAUSED BY EXPOSURE IN THE EVENT OF FIRE

Do not breathe combustion products.

#### 5.3. Advice for firefighters. GENERAL INFORMATION

Use jets of water to cool the containers to prevent product decomposition and the development of substances potentially hazardous for health. Always wear full fire prevention gear. Collect extinguishing water to prevent it from draining into the sewer system. Dispose of contaminated water used for extinction and the remains of the fire according to applicable regulations. SPECIAL PROTECTIVE EQUIPMENT FOR FIRE-FIGHTERS

Normal fire fighting clothing i.e. fire kit (BS EN 469), gloves (BS EN 659) and boots (HO specification A29 and A30) in combination with self-contained open circuit positive pressure compressed air breathing apparatus (BS EN 137).

## SECTION 6. Accidental release measures.

#### 6.1. Personal precautions, protective equipment and emergency procedures. Use breathing equipment if fumes or powders are released into the air. These indications apply for both processing staff and those involved in emergency procedures.

### 6.2. Environmental precautions.

The product must not penetrate into the sewer system or come into contact with surface water or ground water.

### 6.3. Methods and material for containment and cleaning up.

Confine using earth or inert material. Collect as much material as possible and eliminate the rest using jets of water. Contaminated material should be disposed of in compliance with the provisions set forth in point 13.

### 6.4. Reference to other sections.

Any information on personal protection and disposal is given in sections 8 and 13.

## SECTION 7. Handling and storage.

### 7.1. Precautions for safe handling.

Before handling the product, consult all the other sections of this material safety data sheet. Avoid leakage of the product into the environment. Do not eat, drink or smoke during use.

### 7.2. Conditions for safe storage, including any incompatibilities.

Keep the product in clearly labelled containers. Keep containers away from any incompatible materials, see section 10 for details.

### 7.3. Specific end use(s).

Information not available.

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## SECTION 8. Exposure controls/personal protection.

### 8.1. Control parameters.

Information not available.

### 8.2. Exposure controls.

Observance of safety measures used in handling chemical substances. RESPIRATORY PROTECTION None required. EYE PROTECTION None required. HAND PROTECTION None required. SKIN PROTECTION None required.

## **SECTION 9.** Physical and chemical properties.

9.1. Information on basic physical and chemical properties.					
Appearance		paste			
Colour		YELLOW GREEN			
Odour		ARABIC GUM			
Odour threshold.		Not available.			
pH.					
Melting point / freezing point.		Not available.			
Initial boiling point.		Not available.			
Boiling range.		Not available.			
Flash point.	>	60 °C.			
Evaporation Rate		Not available.			
Flammability of solids and gases		Not available.			
Lower inflammability limit.		Not available.			
Upper inflammability limit.		Not available.			
Lower explosive limit.		Not available.			
Upper explosive limit.		Not available.			
Vapour pressure.		Not available.			
Vapour density		Not available.			
Relative density.		0,2 Kg/l			
Solubility		INSOLUBLE, DILUTE WITH WATER			
Partition coefficient: n-octanol/water		Not available.			
Auto-ignition temperature.		Not available.			
Decomposition temperature.		Not available.			
Viscosity		35.000 / 40.000 cps			
Explosive properties		Not available.			
Oxidising properties		Not available.			
9.2. Other information.					
Solid content.		46,29 %			
VOC (Directive 1999/13/EC) :		0			
VOC (volatile carbon) :		0			

## **SECTION 10. Stability and reactivity.**

### 10.1. Reactivity.

There are no particular risks of reaction with other substances in normal conditions of use.

### 10.2. Chemical stability.

The product is stable in normal conditions of use and storage.

### 10.3. Possibility of hazardous reactions.

No hazardous reactions are foreseeable in normal conditions of use and storage.

### 10.4. Conditions to avoid.

None in particular. However the usual precautions used for chemical products should be respected.

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SECTION 10. Stability and reactivity. ... / >>

#### **10.5. Incompatible materials.** Information not available.

information not available.

## 10.6. Hazardous decomposition products.

Information not available.

## **SECTION 11.** Toxicological information.

According to currently available data, this product has not yet produced health damages. Anyway, it must be handled according to good industrial practices.

### 11.1. Information on toxicological effects.

Information not available.

## **SECTION 12. Ecological information.**

Use this product according to good working practices. Avoid littering. Inform the competent authorities, should the product reach waterways or sewers or contaminate soil or vegetation.

### 12.1. Toxicity.

Information not available.

#### **12.2. Persistence and degradability.** Information not available.

**12.3. Bioaccumulative potential.** Information not available.

## 12.4. Mobility in soil.

Information not available.

### 12.5. Results of PBT and vPvB assessment.

On the basis of available data, the product does not contain any PBT or vPvB in percentage greater than 0,1%.

### 12.6. Other adverse effects.

Information not available.

## **SECTION 13.** Disposal considerations.

### 13.1. Waste treatment methods.

Reuse, when possible. Neat product residues should be considered special non-hazardous waste. Disposal must be performed through an authorised waste management firm, in compliance with national and local regulations. Avoid littering. Do not contaminate soil, sewers and waterways. CONTAMINATED PACKAGING Contaminated packaging must be recovered or disposed of in compliance with national waste management regulations.

## **SECTION 14. Transport information.**

The product is not dangerous under current provisions of the Code of International Carriage of Dangerous Goods by Road (ADR) and by Rail (RID), of the International Maritime Dangerous Goods Code (IMDG), and of the International Air Transport Association (IATA) regulations.

## **SECTION 15. Regulatory information.**

None.

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture.

Seveso category.

Restrictions relating to the product or contained substances pursuant to Annex XVII to EC Regulation 1907/2006. None.

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SECTION 15. Regulatory information / >>			
Substances in Candidate List (Art. 59 REACH) None.			
Substances subject to authorisarion (Annex XIV REACH).			
None.			
Substances subject to exportation reporting pursuant to (EC) R None.	Reg. 689/2008:		
Substances subject to the Rotterdam Convention: None.			
Substances subject to the Stockholm Convention:			
None.			
Healthcare controls. Information not available.			
15.2. Chemical safety assessment.			
No chemical safety assessment has been processed for the	e mixture and the substances it con	tains.	
SECTION 16. Other information.			
<ul> <li>ADR: European Agreement concerning the carriage of Da</li> <li>CAS NUMBER: Chemical Abstract Service Number</li> </ul>	angerous goods by Road		
- CE50: Effective concentration (required to induce a 50% e	effect)		
- CE NUMBER: Identifier in ESIS (European archive of exis	sting substances)		
- CLP: EC Regulation 1272/2008 - DNEL: Derived No Effect Level			
- EmS: Emergency Schedule			
- GHS: Globally Harmonized System of classification and la	-		
- IATA DGR: International Air Transport Association Dange	rous Goods Regulation		
<ul> <li>- IC50: Immobilization Concentration 50%</li> <li>- IMDG: International Maritime Code for dangerous goods</li> </ul>			
- IMO: International Maritime Organization			
- INDEX NUMBER: Identifier in Annex VI of CLP			
- LC50: Lethal Concentration 50% - LD50: Lethal dose 50%			
- OEL: Occupational Exposure Level			
- PBT: Persistent bioaccumulative and toxic as REACH Re	gulation		
- PEC: Predicted environmental Concentration			
<ul> <li>PEL: Predicted exposure level</li> <li>PNEC: Predicted no effect concentration</li> </ul>			
- REACH: EC Regulation 1907/2006			
- RID: Regulation concerning the international transport of o	dangerous goods by train		
<ul> <li>TLV: Threshold Limit Value</li> <li>TLV CEILING: Concentration that should not be exceeded</li> </ul>	during any time of occupational ex	rocure	
- TWA STEL: Short-term exposure limit		posure.	
- TWA: Time-weighted average exposure limit			
- VOC: Volatile organic Compounds			
- vPvB: Very Persistent and very Bioaccumulative as for RE	EACH Regulation.		
GENERAL BIBLIOGRAPHY			
1. Directive 1999/45/EC and following amendments			
<ol> <li>Directive 67/548/EEC and following amendments and ad</li> <li>Regulation (EC) 1907/2006 (REACH) of the European P</li> </ol>			
- J. NEGUIDUUUUUUUU ISUUZUUU INEAUUUUUUE EUIUUUUU			

- Directive of 7546/EC and following anterture and adjustments and adjustments
   Regulation (EC) 1907/2006 (REACH) of the European Parliament
   Regulation (EC) 1272/2008 (CLP) of the European Parliament
   Regulation (EC) 790/2009 (I Atp. CLP) of the European Parliament
   Regulation (EC) 453/2010 of the European Parliament
   Regulation (EC) 286/2011 (II Atp. CLP) of the European Parliament

- 8. The Merck Index. 10th Edition

# V SAP GREEN SECTION 16. Other information. ..../>>

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9. Handling Chemical Safety

- 10. Niosh Registry of Toxic Effects of Chemical Substances
- 11. INRS Fiche Toxicologique (toxicological sheet)
- 12. Patty Industrial Hygiene and Toxicology
- 13. N.I. Sax Dangerous properties of Industrial Materials-7, 1989 Edition
- 14. ECHA website

Note for users:

The information contained in the present sheet are based on our own knowledge on the date of the last version. Users must verify the suitability and thoroughness of provided information according to each specific use of the product.

This document must not be regarded as a guarantee on any specific product property.

The use of this product is not subject to our direct control; therefore, users must, under their own responsibility, comply with the current health and safety laws and regulations. The producer is relieved from any liability arising from improper uses. Provide appointed staff with adequate training on how to use chemical products.

Changes to previous review: The following sections were modified: 01 / 02 / 08 / 09 / 11 / 12 / 15 / 16.

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V PHTHALO GRE	-FN	1832	7	Printed on 19/6/2014	
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	In	formation She	eet		
SECTION 1. Identification of the s	ubstance	/mixture and of the	company	/undertaking	
.1. Product identifier					
Code: Product name	18321 V PHTH	ALO GREEN 1832	1		
.2. Relevant identified uses of the substance	or mixture a	nd uses advised against			
Intended use	Water c	olour.			
.3. Details of the supplier of the safety data s	heet				
Name Full address District and Country	Via Giai 20060 Tel.	RIA MAIMERI S.P.A. nni Maimeri, 1 Mediglia Italia +39 02 906981	(	МІ)	
e-mail address of the competent person responsible for the Safety Data Sheet	Fax schedes	+39 02 90698999 sicurezza@maimeri.it			
Product distribution by	INDUST (MI) ITA		6.MAIMERI 1 2	0060 BETTOLINO DI MEDIGLIA	
.4. Emergency telephone number					
For urgent inquiries refer to	USA: 1	ia : 131126 800 222 1222 Unito NHS Direct (UK): +44	l (0) 845 46 47		
SECTION 2. Hazards identification	า.				
.1. Classification of the substance or mixture					
The product is not classified as hazardous pur amendments and supplements).	suant to the p	provisions set forth in EC Reg	gulation 1272/2	008 (CLP) (and subsequent	
.1.1. Regulation 1272/2008 (CLP) and followir	ng amendme	nts and adjustments.			
Hazard classification and indication:					
.2. Label elements.					
Hazard pictograms:					
Signal words:					
Hazard statements: Precautionary statements: .3. Other hazards.					
Information not available.					
SECTION 3. Composition/informa	tion on ir	ngredients.			
.1. Substances.					
Information not relevant.					
.2. Mixtures.					
				ment pursuant to the provisions	

MSDS for #00397 - MAIMERI VENEZIA WC

# **INDUSTRIA MAIMERI S.P.A.**

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### 4.1. Description of first aid measures.

Not specifically necessary. Observance of good industrial hygiene is recommended.

- **4.2. Most important symptoms and effects, both acute and delayed.** No episodes of damage to health ascribable to the product have been reported.
- **4.3. Indication of any immediate medical attention and special treatment needed.** Information not available.

## **SECTION 5. Firefighting measures.**

### 5.1. Extinguishing media.

SUITABLE EXTINGUISHING EQUIPMENT The extinguishing equipment should be of the conventional kind: carbon dioxide, foam, powder and water spray. UNSUITABLE EXTINGUISHING EQUIPMENT None in particular.

# 5.2. Special hazards arising from the substance or mixture.

HAZARDS CAUSED BY EXPOSURE IN THE EVENT OF FIRE

Do not breathe combustion products.

#### 5.3. Advice for firefighters. GENERAL INFORMATION

Use jets of water to cool the containers to prevent product decomposition and the development of substances potentially hazardous for health. Always wear full fire prevention gear. Collect extinguishing water to prevent it from draining into the sewer system. Dispose of contaminated water used for extinction and the remains of the fire according to applicable regulations. SPECIAL PROTECTIVE EQUIPMENT FOR FIRE-FIGHTERS

Normal fire fighting clothing i.e. fire kit (BS EN 469), gloves (BS EN 659) and boots (HO specification A29 and A30) in combination with self-contained open circuit positive pressure compressed air breathing apparatus (BS EN 137).

## **SECTION 6.** Accidental release measures.

# **6.1. Personal precautions, protective equipment and emergency procedures.** Use breathing equipment if fumes or powders are released into the air. These indications apply for both processing staff and those involved in emergency procedures.

### 6.2. Environmental precautions.

The product must not penetrate into the sewer system or come into contact with surface water or ground water.

### 6.3. Methods and material for containment and cleaning up.

Confine using earth or inert material. Collect as much material as possible and eliminate the rest using jets of water. Contaminated material should be disposed of in compliance with the provisions set forth in point 13.

### 6.4. Reference to other sections.

Any information on personal protection and disposal is given in sections 8 and 13.

### SECTION 7. Handling and storage.

### 7.1. Precautions for safe handling.

Before handling the product, consult all the other sections of this material safety data sheet. Avoid leakage of the product into the environment. Do not eat, drink or smoke during use.

### 7.2. Conditions for safe storage, including any incompatibilities.

Keep the product in clearly labelled containers. Keep containers away from any incompatible materials, see section 10 for details.

### 7.3. Specific end use(s).

Information not available.

# **V PHTHALO GREEN**

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# SECTION 8. Exposure controls/personal protection.

### 8.1. Control parameters.

Information not available.

### 8.2. Exposure controls.

Observance of safety measures used in handling chemical substances. RESPIRATORY PROTECTION None required. EYE PROTECTION None required. HAND PROTECTION None required. SKIN PROTECTION None required.

# **SECTION 9.** Physical and chemical properties.

9.1. Information on basic physical and chemical	properties.
Appearance	paste
Colour	DEEP GREEN
Odour	ARABIC GUM
Odour threshold.	Not available.
pH.	
Melting point / freezing point.	Not available.
Initial boiling point.	Not available.
Boiling range.	Not available.
Flash point. >	60 °C.
Evaporation Rate	Not available.
Flammability of solids and gases	Not available.
Lower inflammability limit.	Not available.
Upper inflammability limit.	Not available.
Lower explosive limit.	Not available.
Upper explosive limit.	Not available.
Vapour pressure.	Not available.
Vapour density	Not available.
Relative density.	0,2 Kg/l
Solubility	INSOLUBLE, DILUTE WITH WATER
Partition coefficient: n-octanol/water	Not available.
Auto-ignition temperature.	Not available.
Decomposition temperature.	Not available.
Viscosity	35.000 / 40.000 cps
Explosive properties	Not available.
Oxidising properties	Not available.
9.2. Other information.	
Solid content.	46,08 %
VOC (Directive 1999/13/EC) :	0
VOC (volatile carbon) :	0

# SECTION 10. Stability and reactivity.

### 10.1. Reactivity.

There are no particular risks of reaction with other substances in normal conditions of use.

### 10.2. Chemical stability.

The product is stable in normal conditions of use and storage.

### 10.3. Possibility of hazardous reactions.

No hazardous reactions are foreseeable in normal conditions of use and storage.

### 10.4. Conditions to avoid.

None in particular. However the usual precautions used for chemical products should be respected.

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SECTION 10. Stability and reactivity. ... / >>

#### **10.5. Incompatible materials.** Information not available.

10.6. Hazardous decomposition products.

Information not available.

# **SECTION 11.** Toxicological information.

According to currently available data, this product has not yet produced health damages. Anyway, it must be handled according to good industrial practices.

### 11.1. Information on toxicological effects.

Information not available.

## **SECTION 12. Ecological information.**

Use this product according to good working practices. Avoid littering. Inform the competent authorities, should the product reach waterways or sewers or contaminate soil or vegetation.

### 12.1. Toxicity.

Information not available.

#### **12.2. Persistence and degradability.** Information not available.

**12.3. Bioaccumulative potential.** Information not available.

# 12.4. Mobility in soil.

Information not available.

### 12.5. Results of PBT and vPvB assessment.

On the basis of available data, the product does not contain any PBT or vPvB in percentage greater than 0,1%.

### 12.6. Other adverse effects.

Information not available.

# **SECTION 13.** Disposal considerations.

### 13.1. Waste treatment methods.

Reuse, when possible. Neat product residues should be considered special non-hazardous waste. Disposal must be performed through an authorised waste management firm, in compliance with national and local regulations. Avoid littering. Do not contaminate soil, sewers and waterways. CONTAMINATED PACKAGING Contaminated packaging must be recovered or disposed of in compliance with national waste management regulations.

## **SECTION 14. Transport information.**

The product is not dangerous under current provisions of the Code of International Carriage of Dangerous Goods by Road (ADR) and by Rail (RID), of the International Maritime Dangerous Goods Code (IMDG), and of the International Air Transport Association (IATA) regulations.

### **SECTION 15. Regulatory information.**

None.

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture.

Seveso category.

Restrictions relating to the product or contained substances pursuant to Annex XVII to EC Regulation 1907/2006. None.

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V PHTHALO GREEN	18321	Printed on 19/6/2014 Page n. 5 / 6
SECTION 15. Regulatory information / >>		
Substances in Candidate List (Art. 59 REACH).		
Substances subject to authorisarion (Annex XIV REACH). None.		
Substances subject to exportation reporting pursuant to (EC) Reg. 689 None.	/2008:	
Substances subject to the Rotterdam Convention: None.		
Substances subject to the Stockholm Convention: None.		
Healthcare controls. Information not available.		
15.2. Chemical safety assessment.		
No chemical safety assessment has been processed for the mixtu	re and the substances it contains	
SECTION 16. Other information.		
LEGEND: - ADR: European Agreement concerning the carriage of Dangerou - CAS NUMBER: Chemical Abstract Service Number - CE50: Effective concentration (required to induce a 50% effect) - CE NUMBER: Identifier in ESIS (European archive of existing su - CLP: EC Regulation 1272/2008 - DNEL: Derived No Effect Level - EmS: Emergency Schedule - GHS: Globally Harmonized System of classification and labeling - IATA DGR: International Air Transport Association Dangerous Ge - IC50: Immobilization Concentration 50% - IMDG: International Maritime Code for dangerous goods - IMO: International Maritime Organization - INDEX NUMBER: Identifier in Annex VI of CLP - LC50: Lethal Concentration 50% - DD50: Lethal Concentration 50% - OEL: Occupational Exposure Level - PBT: Persistent bioaccumulative and toxic as REACH Regulation - PEC: Predicted environmental Concentration - PEL: Predicted environmental Concentration - REACH: EC Regulation 1907/2006 - RID: Regulation concerning the international transport of dangeror - TLV: Threshold Limit Value - TLV CEILING: Concentration that should not be exceeded during - TWA STEL: Short-term exposure limit - TWA: Time-weighted average exposure limit - VOC: Volatile organic Compounds - vPVB: Very Persistent and very Bioaccumulative as for REACH F	bstances) of chemicals oods Regulation n ous goods by train g any time of occupational expose	Jre.
GENERAL BIBLIOGRAPHY 1. Directive 1999/45/EC and following amendments 2. Directive 67/548/EEC and following amendments and adjustme 3. Regulation (EC) 1907/2006 (REACH) of the European Parliament 4. Regulation (EC) 1272/2008 (CLP) of the European Parliament 5. Regulation (EC) 790/2009 (I Atp. CLP) of the European Parliam 6. Regulation (EC) 453/2010 of the European Parliament 7. Regulation (EC) 286/2011 (II Atp. CLP) of the European Parliam 8. The Merck Index 10th Edition	ent ient	

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# V PHTHALO GREEN

SECTION 16. Other information. ... / >>

9. Handling Chemical Safety

10. Niosh - Registry of Toxic Effects of Chemical Substances

11. INRS - Fiche Toxicologique (toxicological sheet)

12. Patty - Industrial Hygiene and Toxicology

13. N.I. Sax - Dangerous properties of Industrial Materials-7, 1989 Edition

14. ECHA website

Note for users:

The information contained in the present sheet are based on our own knowledge on the date of the last version. Users must verify the suitability and thoroughness of provided information according to each specific use of the product.

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This document must not be regarded as a guarantee on any specific product property.

The use of this product is not subject to our direct control; therefore, users must, under their own responsibility, comply with the current health and safety laws and regulations. The producer is relieved from any liability arising from improper uses. Provide appointed staff with adequate training on how to use chemical products.

Changes to previous review: The following sections were modified: 01 / 02 / 08 / 09 / 11 / 12 / 15 / 16.

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V GREEN EART	Н	18296	Printed on 19/6/2014 Page n. 1 / 6	
Information Sheet				
SECTION 1. Identification of the s	ubstance/mixtur	e and of the com	npany/undertaking	
1.1. Product identifier				
Code: Product name	18296 V GREEN EARTH	18296		
1.2. Relevant identified uses of the substance	or mixture and uses a	dvised against		
Intended use	Water colour.			
1.3. Details of the supplier of the safety data sl	heet			
Name Full address District and Country	INDUSTRIA MAIM Via Gianni Maime 20060 Mediglia Italia Tel. +39 02 90	ri, 1 06981	(MI)	
e-mail address of the competent person responsible for the Safety Data Sheet	Fax +39 02 90 schedesicurezza@			
Product distribution by	INDUSTRIA MAIM (MI) ITALY	IERI S.P.A. VIA G.MAIM	IERI 1 20060 BETTOLINO DI MEDIGLIA	
1.4. Emergency telephone number				
For urgent inquiries refer to	Australia : 131126 USA: 1 800 222 1 Regno Unito NHS		5 46 47	
SECTION 2. Hazards identification	ı.			
2.1. Classification of the substance or mixture.				
The product is not classified as hazardous purs amendments and supplements).	suant to the provisions s	set forth in EC Regulatior	n 1272/2008 (CLP) (and subsequent	
2.1.1. Regulation 1272/2008 (CLP) and followin	g amendments and ad	ljustments.		
Hazard classification and indication:				
2.2. Label elements.				
Hazard pictograms:				
Signal words:				
Hazard statements: Precautionary statements: 2.3. Other hazards.				
Information not available.				
SECTION 3. Composition/information	tion on ingredie	nts.		
3.1. Substances.				
Information not relevant.				
3.2. Mixtures.				
The product does not contain substances class set forth in Directives 67/548/EEC and/or EC R				
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# SECTION 4. First aid measures.

### 4.1. Description of first aid measures.

Not specifically necessary. Observance of good industrial hygiene is recommended.

- **4.2. Most important symptoms and effects, both acute and delayed.** No episodes of damage to health ascribable to the product have been reported.
- **4.3. Indication of any immediate medical attention and special treatment needed.** Information not available.

### **SECTION 5. Firefighting measures.**

### 5.1. Extinguishing media.

SUITABLE EXTINGUISHING EQUIPMENT The extinguishing equipment should be of the conventional kind: carbon dioxide, foam, powder and water spray. UNSUITABLE EXTINGUISHING EQUIPMENT None in particular.

### 5.2. Special hazards arising from the substance or mixture.

HAZARDS CAUSED BY EXPOSURE IN THE EVENT OF FIRE

Do not breathe combustion products.

#### 5.3. Advice for firefighters. GENERAL INFORMATION

Use jets of water to cool the containers to prevent product decomposition and the development of substances potentially hazardous for health. Always wear full fire prevention gear. Collect extinguishing water to prevent it from draining into the sewer system. Dispose of contaminated water used for extinction and the remains of the fire according to applicable regulations. SPECIAL PROTECTIVE EQUIPMENT FOR FIRE-FIGHTERS

Normal fire fighting clothing i.e. fire kit (BS EN 469), gloves (BS EN 659) and boots (HO specification A29 and A30) in combination with

self-contained open circuit positive pressure compressed air breathing apparatus (BS EN 137).

### **SECTION 6.** Accidental release measures.

#### 6.1. Personal precautions, protective equipment and emergency procedures. Use breathing equipment if fumes or powders are released into the air. These indications apply for both processing staff and those

involved in emergency procedures.

### 6.2. Environmental precautions.

The product must not penetrate into the sewer system or come into contact with surface water or ground water.

### 6.3. Methods and material for containment and cleaning up.

Confine using earth or inert material. Collect as much material as possible and eliminate the rest using jets of water. Contaminated material should be disposed of in compliance with the provisions set forth in point 13.

### 6.4. Reference to other sections.

Any information on personal protection and disposal is given in sections 8 and 13.

### SECTION 7. Handling and storage.

### 7.1. Precautions for safe handling.

Before handling the product, consult all the other sections of this material safety data sheet. Avoid leakage of the product into the environment. Do not eat, drink or smoke during use.

### 7.2. Conditions for safe storage, including any incompatibilities.

Keep the product in clearly labelled containers. Keep containers away from any incompatible materials, see section 10 for details.

### 7.3. Specific end use(s).

Information not available.

# **V GREEN EARTH**

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# 8.1. Control parameters.

Information not available.

## 8.2. Exposure controls.

Observance of safety measures used in handling chemical substances. RESPIRATORY PROTECTION None required. EYE PROTECTION None required. HAND PROTECTION None required. SKIN PROTECTION None required.

# **SECTION 9.** Physical and chemical properties.

9.1. Information on basic physical and che	mical p	properties.
Appearance	-	paste
Colour		TRASPARENT GREEN
Odour		ARABIC GUM
Odour threshold.		Not available.
pH.		
Melting point / freezing point.		Not available.
Initial boiling point.		Not available.
Boiling range.		Not available.
Flash point.	>	60 °C.
Evaporation Rate		Not available.
Flammability of solids and gases		Not available.
Lower inflammability limit.		Not available.
Upper inflammability limit.		Not available.
Lower explosive limit.		Not available.
Upper explosive limit.		Not available.
Vapour pressure.		Not available.
Vapour density		Not available.
Relative density.		0,2 Kg/l
Solubility		INSOLUBLE, DILUTE WITH WATER
Partition coefficient: n-octanol/water		Not available.
Auto-ignition temperature.		Not available.
Decomposition temperature.		Not available.
Viscosity		35.000 / 40.000 cps
Explosive properties		Not available.
Oxidising properties		Not available.
9.2. Other information.		
Solid content.		50,68 %
VOC (Directive 1999/13/EC) :		0
VOC (volatile carbon) :		0

# SECTION 10. Stability and reactivity.

### 10.1. Reactivity.

There are no particular risks of reaction with other substances in normal conditions of use.

## 10.2. Chemical stability.

The product is stable in normal conditions of use and storage.

### 10.3. Possibility of hazardous reactions.

No hazardous reactions are foreseeable in normal conditions of use and storage.

## 10.4. Conditions to avoid.

None in particular. However the usual precautions used for chemical products should be respected.

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SECTION 10. Stability and reactivity. .../>>

#### 10.5. Incompatible materials. Information not available.

## 10.6. Hazardous decomposition products.

Information not available

## **SECTION 11.** Toxicological information.

According to currently available data, this product has not yet produced health damages. Anyway, it must be handled according to good industrial practices.

### 11.1. Information on toxicological effects.

Information not available.

## **SECTION 12. Ecological information.**

Use this product according to good working practices. Avoid littering. Inform the competent authorities, should the product reach waterways or sewers or contaminate soil or vegetation.

### 12.1. Toxicity.

Information not available.

#### 12.2. Persistence and degradability. Information not available.

12.3. Bioaccumulative potential. Information not available.

# 12.4. Mobility in soil.

Information not available.

### 12.5. Results of PBT and vPvB assessment.

On the basis of available data, the product does not contain any PBT or vPvB in percentage greater than 0,1%.

### 12.6. Other adverse effects.

Information not available.

# **SECTION 13. Disposal considerations.**

13.1. Waste treatment methods.

Reuse, when possible. Neat product residues should be considered special non-hazardous waste. Disposal must be performed through an authorised waste management firm, in compliance with national and local regulations. Avoid littering. Do not contaminate soil, sewers and waterways. CONTAMINATED PACKAGING Contaminated packaging must be recovered or disposed of in compliance with national waste management regulations.

## **SECTION 14. Transport information.**

The product is not dangerous under current provisions of the Code of International Carriage of Dangerous Goods by Road (ADR) and by Rail (RID), of the International Maritime Dangerous Goods Code (IMDG), and of the International Air Transport Association (IATA) regulations.

# **SECTION 15. Regulatory information.**

None.

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture.

Seveso category.

Restrictions relating to the product or contained substances pursuant to Annex XVII to EC Regulation 1907/2006. None

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### **INDUSTRIA MAIMERI S.P.A.** Revision nr.1 Dated 19/6/2014 Printed on 19/6/2014 18296 V GREEN EARTH Page n. 5/6 SECTION 15. Regulatory information. ... / >> Substances in Candidate List (Art. 59 REACH). None. Substances subject to authorisarion (Annex XIV REACH). None Substances subject to exportation reporting pursuant to (EC) Reg. 689/2008: None. Substances subject to the Rotterdam Convention: None. Substances subject to the Stockholm Convention: None. Healthcare controls. Information not available. 15.2. Chemical safety assessment. No chemical safety assessment has been processed for the mixture and the substances it contains. **SECTION 16.** Other information. LEGEND: - ADR: European Agreement concerning the carriage of Dangerous goods by Road - CAS NUMBER: Chemical Abstract Service Number - CE50: Effective concentration (required to induce a 50% effect) - CE NUMBER: Identifier in ESIS (European archive of existing substances) - CLP: EC Regulation 1272/2008 - DNEL: Derived No Effect Level - EmS: Emergency Schedule - GHS: Globally Harmonized System of classification and labeling of chemicals - IATA DGR: International Air Transport Association Dangerous Goods Regulation - IC50: Immobilization Concentration 50% - IMDG: International Maritime Code for dangerous goods - IMO: International Maritime Organization - INDEX NUMBER: Identifier in Annex VI of CLP - LC50: Lethal Concentration 50% - LD50: Lethal dose 50% - OEL: Occupational Exposure Level - PBT: Persistent bioaccumulative and toxic as REACH Regulation - PEC: Predicted environmental Concentration - PEL: Predicted exposure level - PNEC: Predicted no effect concentration - REACH: EC Regulation 1907/2006 - RID: Regulation concerning the international transport of dangerous goods by train - TLV: Threshold Limit Value - TLV CEILING: Concentration that should not be exceeded during any time of occupational exposure. - TWA STEL: Short-term exposure limit - TWA: Time-weighted average exposure limit - VOC: Volatile organic Compounds - vPvB: Very Persistent and very Bioaccumulative as for REACH Regulation. GENERAL BIBLIOGRAPHY 1. Directive 1999/45/EC and following amendments 2. Directive 67/548/EEC and following amendments and adjustments 3. Regulation (EC) 1907/2006 (REACH) of the European Parliament 4. Regulation (EC) 1272/2008 (CLP) of the European Parliament 5. Regulation (EC) 790/2009 (I Atp. CLP) of the European Parliament 6. Regulation (EC) 453/2010 of the European Parliament 7. Regulation (EC) 286/2011 (II Atp. CLP) of the European Parliament 8. The Merck Index. - 10th Edition

# V GREEN EARTH

# SECTION 16. Other information. ... / >>

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9. Handling Chemical Safety

10. Niosh - Registry of Toxic Effects of Chemical Substances

11. INRS - Fiche Toxicologique (toxicological sheet)

12. Patty - Industrial Hygiene and Toxicology

13. N.I. Sax - Dangerous properties of Industrial Materials-7, 1989 Edition

14. ECHA website

Note for users:

The information contained in the present sheet are based on our own knowledge on the date of the last version. Users must verify the suitability and thoroughness of provided information according to each specific use of the product.

This document must not be regarded as a guarantee on any specific product property.

The use of this product is not subject to our direct control; therefore, users must, under their own responsibility, comply with the current health and safety laws and regulations. The producer is relieved from any liability arising from improper uses. Provide appointed staff with adequate training on how to use chemical products.

Changes to previous review: The following sections were modified: 01 / 02 / 08 / 09 / 11 / 12 / 15 / 16.

INDUSTRIA MAIMERI S.P.A.		Revision nr.1 Dated 19/6/2014	
V BURNT SIENN	Α	18278	Printed on 19/6/2014 Page n. 1 / 6
	Informat	tion Sheet	
SECTION 1. Identification of the su	bstance/mixture	and of the con	npany/undertaking
1.1. Product identifier			
Code: Product name	18278 V BURNT SIENNA	18278	
I.2. Relevant identified uses of the substance or	r mixture and uses adv	/ised against	
Intended use	Water colour.		
1.3. Details of the supplier of the safety data she	eet		
Name Full address District and Country	INDUSTRIA MAIME Via Gianni Maimeri, 20060 Mediglia Italia Tel. +39 02 9069	, 1	(MI)
e-mail address of the competent person responsible for the Safety Data Sheet	Fax +39 02 906 schedesicurezza@r		
Product distribution by	INDUSTRIA MAIME (MI) ITALY	RI S.P.A. VIA G.MAIN	IERI 1 20060 BETTOLINO DI MEDIGLIA
1.4. Emergency telephone number			
For urgent inquiries refer to	Australia : 131126 USA: 1 800 222 122 Regno Unito NHS D	22 Direct (UK): +44 (0) 84	45 46 47
SECTION 2. Hazards identification.			
2.1. Classification of the substance or mixture.			
The product is not classified as hazardous pursu amendments and supplements).	ant to the provisions set	t forth in EC Regulation	n 1272/2008 (CLP) (and subsequent
2.1.1. Regulation 1272/2008 (CLP) and following	amendments and adju	ustments.	
Hazard classification and indication:			
2.2. Label elements.			
Hazard pictograms:			
Signal words:			
Hazard statements: Precautionary statements: 2.3. Other hazards.			
Information not available.			
SECTION 3. Composition/informati	on on ingredient	ts.	
3.1. Substances.			
Information not relevant.			
3.2. Mixtures.			
The product does not contain substances classif set forth in Directives 67/548/EEC and/or EC Re			
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# **SECTION 4. First aid measures.**

### 4.1. Description of first aid measures.

Not specifically necessary. Observance of good industrial hygiene is recommended.

- 4.2. Most important symptoms and effects, both acute and delayed. No episodes of damage to health ascribable to the product have been reported.
- 4.3. Indication of any immediate medical attention and special treatment needed. Information not available.

# **SECTION 5. Firefighting measures.**

# 5.1. Extinguishing media.

SUITABLE EXTINGUISHING EQUIPMENT The extinguishing equipment should be of the conventional kind: carbon dioxide, foam, powder and water spray. UNSUITABLE EXTINGUISHING EQUIPMENT None in particular.

### 5.2. Special hazards arising from the substance or mixture. HAZARDS CAUSED BY EXPOSURE IN THE EVENT OF FIRE

Do not breathe combustion products.

#### 5.3. Advice for firefighters. GENERAL INFORMATION

Use jets of water to cool the containers to prevent product decomposition and the development of substances potentially hazardous for health. Always wear full fire prevention gear. Collect extinguishing water to prevent it from draining into the sewer system. Dispose of contaminated water used for extinction and the remains of the fire according to applicable regulations.

SPECIAL PROTECTIVE EQUIPMENT FOR FIRE-FIGHTERS

Normal fire fighting clothing i.e. fire kit (BS EN 469), gloves (BS EN 659) and boots (HO specification A29 and A30) in combination with self-contained open circuit positive pressure compressed air breathing apparatus (BS EN 137).

# SECTION 6. Accidental release measures.

#### 6.1. Personal precautions, protective equipment and emergency procedures. Use breathing equipment if fumes or powders are released into the air. These indications apply for both processing staff and those involved in emergency procedures.

### 6.2. Environmental precautions.

The product must not penetrate into the sewer system or come into contact with surface water or ground water.

### 6.3. Methods and material for containment and cleaning up.

Confine using earth or inert material. Collect as much material as possible and eliminate the rest using jets of water. Contaminated material should be disposed of in compliance with the provisions set forth in point 13.

### 6.4. Reference to other sections.

Any information on personal protection and disposal is given in sections 8 and 13.

# SECTION 7. Handling and storage.

### 7.1. Precautions for safe handling.

Before handling the product, consult all the other sections of this material safety data sheet. Avoid leakage of the product into the environment. Do not eat, drink or smoke during use.

### 7.2. Conditions for safe storage, including any incompatibilities.

Keep the product in clearly labelled containers. Keep containers away from any incompatible materials, see section 10 for details.

### 7.3. Specific end use(s).

Information not available.

# **V BURNT SIENNA**

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# SECTION 8. Exposure controls/personal protection.

### 8.1. Control parameters.

Information not available.

### 8.2. Exposure controls.

Observance of safety measures used in handling chemical substances. RESPIRATORY PROTECTION None required. EYE PROTECTION None required. HAND PROTECTION None required. SKIN PROTECTION None required.

# **SECTION 9.** Physical and chemical properties.

9.1. Information on basic physical and che	mical p	roperties.
Appearance	-	paste
Colour		DEEP OCHRE
Odour		ARABIC GUM
Odour threshold.		Not available.
pH.		
Melting point / freezing point.		Not available.
Initial boiling point.		Not available.
Boiling range.		Not available.
Flash point.	>	60 °C.
Evaporation Rate		Not available.
Flammability of solids and gases		Not available.
Lower inflammability limit.		Not available.
Upper inflammability limit.		Not available.
Lower explosive limit.		Not available.
Upper explosive limit.		Not available.
Vapour pressure.		Not available.
Vapour density		Not available.
Relative density.		0,2 Kg/l
Solubility		INSOLUBLE, DILUTE WITH WATER
Partition coefficient: n-octanol/water		Not available.
Auto-ignition temperature.		Not available.
Decomposition temperature.		Not available.
Viscosity		35.000 / 40.000 cps
Explosive properties		Not available.
Oxidising properties		Not available.
9.2. Other information.		
Solid content.		51,41 %
VOC (Directive 1999/13/EC) :		0
VOC (volatile carbon) :		0

# **SECTION 10. Stability and reactivity.**

### 10.1. Reactivity.

There are no particular risks of reaction with other substances in normal conditions of use.

### 10.2. Chemical stability.

The product is stable in normal conditions of use and storage.

### 10.3. Possibility of hazardous reactions.

No hazardous reactions are foreseeable in normal conditions of use and storage.

### 10.4. Conditions to avoid.

None in particular. However the usual precautions used for chemical products should be respected.

V BURNT SIENNA

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SECTION 10. Stability and reactivity. ... / >>

#### **10.5. Incompatible materials.** Information not available.

**10.6. Hazardous decomposition products.** Information not available.

### **SECTION 11. Toxicological information.**

According to currently available data, this product has not yet produced health damages. Anyway, it must be handled according to good industrial practices.

### 11.1. Information on toxicological effects.

Information not available.

## **SECTION 12. Ecological information.**

Use this product according to good working practices. Avoid littering. Inform the competent authorities, should the product reach waterways or sewers or contaminate soil or vegetation.

### 12.1. Toxicity.

Information not available.

#### **12.2. Persistence and degradability.** Information not available.

**12.3. Bioaccumulative potential.** Information not available.

# 12.4. Mobility in soil.

Information not available.

### 12.5. Results of PBT and vPvB assessment.

On the basis of available data, the product does not contain any PBT or vPvB in percentage greater than 0,1%.

### 12.6. Other adverse effects.

Information not available.

# **SECTION 13.** Disposal considerations.

13.1. Waste treatment methods.

Reuse, when possible. Neat product residues should be considered special non-hazardous waste. Disposal must be performed through an authorised waste management firm, in compliance with national and local regulations. Avoid littering. Do not contaminate soil, sewers and waterways. CONTAMINATED PACKAGING Contaminated packaging must be recovered or disposed of in compliance with national waste management regulations.

## **SECTION 14. Transport information.**

The product is not dangerous under current provisions of the Code of International Carriage of Dangerous Goods by Road (ADR) and by Rail (RID), of the International Maritime Dangerous Goods Code (IMDG), and of the International Air Transport Association (IATA) regulations.

# **SECTION 15. Regulatory information.**

None.

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture.

Seveso category.

Restrictions relating to the product or contained substances pursuant to Annex XVII to EC Regulation 1907/2006. None.

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### **INDUSTRIA MAIMERI S.P.A.** Revision nr.1 Dated 19/6/2014 Printed on 19/6/2014 18278 V BURNT SIENNA Page n. 5/6 SECTION 15. Regulatory information. ... / >> Substances in Candidate List (Art. 59 REACH). None. Substances subject to authorisarion (Annex XIV REACH). None Substances subject to exportation reporting pursuant to (EC) Reg. 689/2008: None. Substances subject to the Rotterdam Convention: None. Substances subject to the Stockholm Convention: None. Healthcare controls. Information not available. 15.2. Chemical safety assessment. No chemical safety assessment has been processed for the mixture and the substances it contains. **SECTION 16.** Other information. LEGEND: - ADR: European Agreement concerning the carriage of Dangerous goods by Road - CAS NUMBER: Chemical Abstract Service Number - CE50: Effective concentration (required to induce a 50% effect) - CE NUMBER: Identifier in ESIS (European archive of existing substances) - CLP: EC Regulation 1272/2008 - DNEL: Derived No Effect Level - EmS: Emergency Schedule - GHS: Globally Harmonized System of classification and labeling of chemicals - IATA DGR: International Air Transport Association Dangerous Goods Regulation - IC50: Immobilization Concentration 50% - IMDG: International Maritime Code for dangerous goods - IMO: International Maritime Organization - INDEX NUMBER: Identifier in Annex VI of CLP - LC50: Lethal Concentration 50% - LD50: Lethal dose 50% - OEL: Occupational Exposure Level - PBT: Persistent bioaccumulative and toxic as REACH Regulation - PEC: Predicted environmental Concentration - PEL: Predicted exposure level - PNEC: Predicted no effect concentration - REACH: EC Regulation 1907/2006 - RID: Regulation concerning the international transport of dangerous goods by train - TLV: Threshold Limit Value - TLV CEILING: Concentration that should not be exceeded during any time of occupational exposure. - TWA STEL: Short-term exposure limit - TWA: Time-weighted average exposure limit - VOC: Volatile organic Compounds - vPvB: Very Persistent and very Bioaccumulative as for REACH Regulation. GENERAL BIBLIOGRAPHY 1. Directive 1999/45/EC and following amendments 2. Directive 67/548/EEC and following amendments and adjustments 3. Regulation (EC) 1907/2006 (REACH) of the European Parliament 4. Regulation (EC) 1272/2008 (CLP) of the European Parliament 5. Regulation (EC) 790/2009 (I Atp. CLP) of the European Parliament 6. Regulation (EC) 453/2010 of the European Parliament 7. Regulation (EC) 286/2011 (II Atp. CLP) of the European Parliament 8. The Merck Index. - 10th Edition

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# V BURNT SIENNA SECTION 16. Other information. .../>>

9. Handling Chemical Safety

10. Niosh - Registry of Toxic Effects of Chemical Substances

11. INRS - Fiche Toxicologique (toxicological sheet)

12. Patty - Industrial Hygiene and Toxicology

13. N.I. Sax - Dangerous properties of Industrial Materials-7, 1989 Edition

14. ECHA website

Note for users:

The information contained in the present sheet are based on our own knowledge on the date of the last version. Users must verify the suitability and thoroughness of provided information according to each specific use of the product.

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This document must not be regarded as a guarantee on any specific product property.

**INDUSTRIA MAIMERI S.P.A.** 

The use of this product is not subject to our direct control; therefore, users must, under their own responsibility, comply with the current health and safety laws and regulations. The producer is relieved from any liability arising from improper uses. Provide appointed staff with adequate training on how to use chemical products.

Changes to previous review: The following sections were modified: 01 / 02 / 08 / 09 / 11 / 12 / 15 / 16.

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MSDS for #00397 - MAIMERI VENEZ		Revision nr.1
		Dated 19/6/2014 Printed on 19/6/2014
V RAW SIENNA	18161	Page n. 1/6
	Information Sheet	
SECTION 1. Identification of the sub	ostance/mixture and of the cor	mpany/undertaking
1.1. Product identifier		
Code: Product name	18161 V RAW SIENNA 18161	
1.2. Relevant identified uses of the substance or	mixture and uses advised against	
Intended use	Water colour.	
1.3. Details of the supplier of the safety data she	et	
Name Full address District and Country	INDUSTRIA MAIMERI S.P.A. Via Gianni Maimeri, 1 20060 Mediglia Italia Tel. +39 02 906981 Fax +39 02 90698999	(MI)
e-mail address of the competent person responsible for the Safety Data Sheet	schedesicurezza@maimeri.it	
Product distribution by	INDUSTRIA MAIMERI S.P.A. VIA G.MAI (MI) ITALY	MERI 1 20060 BETTOLINO DI MEDIGLIA
1.4. Emergency telephone number		
For urgent inquiries refer to	Australia : 131126 USA:  1 800 222 1222 Regno Unito NHS Direct (UK): +44 (0) 8	345 46 47
SECTION 2. Hazards identification.		
2.1. Classification of the substance or mixture.		
The product is not classified as hazardous pursua amendments and supplements).	ant to the provisions set forth in EC Regulation	on 1272/2008 (CLP) (and subsequent
2.1.1. Regulation 1272/2008 (CLP) and following a	amendments and adjustments.	
Hazard classification and indication:		
2.2. Label elements.		
Hazard pictograms:		
Signal words:		
Hazard statements: Precautionary statements: <b>2.3. Other hazards.</b>		
Information not available.		
SECTION 3. Composition/information	on on ingredients.	
3.1. Substances.		
Information not relevant.		
3.2. Mixtures.		
The product does not contain substances classific set forth in Directives 67/548/EEC and/or EC Reg		

MSDS for #00397 - MAIMERI VENEZIA WC

# **INDUSTRIA MAIMERI S.P.A.**

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### 4.1. Description of first aid measures.

Not specifically necessary. Observance of good industrial hygiene is recommended.

- **4.2. Most important symptoms and effects, both acute and delayed.** No episodes of damage to health ascribable to the product have been reported.
- **4.3. Indication of any immediate medical attention and special treatment needed.** Information not available.

## **SECTION 5. Firefighting measures.**

### 5.1. Extinguishing media.

SUITABLE EXTINGUISHING EQUIPMENT The extinguishing equipment should be of the conventional kind: carbon dioxide, foam, powder and water spray. UNSUITABLE EXTINGUISHING EQUIPMENT None in particular.

# 5.2. Special hazards arising from the substance or mixture.

HAZARDS CAUSED BY EXPOSURE IN THE EVENT OF FIRE

Do not breathe combustion products.

#### 5.3. Advice for firefighters. GENERAL INFORMATION

Use jets of water to cool the containers to prevent product decomposition and the development of substances potentially hazardous for health. Always wear full fire prevention gear. Collect extinguishing water to prevent it from draining into the sewer system. Dispose of contaminated water used for extinction and the remains of the fire according to applicable regulations. SPECIAL PROTECTIVE EQUIPMENT FOR FIRE-FIGHTERS

Normal fire fighting clothing i.e. fire kit (BS EN 469), gloves (BS EN 659) and boots (HO specification A29 and A30) in combination with self-contained open circuit positive pressure compressed air breathing apparatus (BS EN 137).

## **SECTION 6.** Accidental release measures.

# **6.1. Personal precautions, protective equipment and emergency procedures.** Use breathing equipment if fumes or powders are released into the air. These indications apply for both processing staff and those involved in emergency procedures.

### 6.2. Environmental precautions.

The product must not penetrate into the sewer system or come into contact with surface water or ground water.

### 6.3. Methods and material for containment and cleaning up.

Confine using earth or inert material. Collect as much material as possible and eliminate the rest using jets of water. Contaminated material should be disposed of in compliance with the provisions set forth in point 13.

### 6.4. Reference to other sections.

Any information on personal protection and disposal is given in sections 8 and 13.

### SECTION 7. Handling and storage.

### 7.1. Precautions for safe handling.

Before handling the product, consult all the other sections of this material safety data sheet. Avoid leakage of the product into the environment. Do not eat, drink or smoke during use.

### 7.2. Conditions for safe storage, including any incompatibilities.

Keep the product in clearly labelled containers. Keep containers away from any incompatible materials, see section 10 for details.

### 7.3. Specific end use(s).

Information not available.

# **V RAW SIENNA**

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# SECTION 8. Exposure controls/personal protection.

### 8.1. Control parameters.

Information not available.

### 8.2. Exposure controls.

Observance of safety measures used in handling chemical substances. RESPIRATORY PROTECTION None required. EYE PROTECTION None required. HAND PROTECTION None required. SKIN PROTECTION None required.

# **SECTION 9.** Physical and chemical properties.

9.1. Information on basic physical and chemical	properties.
Appearance	paste
Colour	ochre
Odour	ARABIC GUM
Odour threshold.	Not available.
pH.	
Melting point / freezing point.	Not available.
Initial boiling point.	Not available.
Boiling range.	Not available.
Flash point. >	60 °C.
Evaporation Rate	Not available.
Flammability of solids and gases	Not available.
Lower inflammability limit.	Not available.
Upper inflammability limit.	Not available.
Lower explosive limit.	Not available.
Upper explosive limit.	Not available.
Vapour pressure.	Not available.
Vapour density	Not available.
Relative density.	0,2 Kg/l
Solubility	INSOLUBLE, DILUTE WITH WATER
Partition coefficient: n-octanol/water	Not available.
Auto-ignition temperature.	Not available.
Decomposition temperature.	Not available.
Viscosity	35.000 / 40.000 cps
Explosive properties	Not available.
Oxidising properties	Not available.
9.2. Other information.	
Solid content.	51,15 %
VOC (Directive 1999/13/EC) :	0
VOC (volatile carbon) :	0

# **SECTION 10. Stability and reactivity.**

### 10.1. Reactivity.

There are no particular risks of reaction with other substances in normal conditions of use.

### 10.2. Chemical stability.

The product is stable in normal conditions of use and storage.

### 10.3. Possibility of hazardous reactions.

No hazardous reactions are foreseeable in normal conditions of use and storage.

### 10.4. Conditions to avoid.

None in particular. However the usual precautions used for chemical products should be respected.

V RAW SIENNA

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SECTION 10. Stability and reactivity. ... / >>

#### **10.5. Incompatible materials.** Information not available.

information not available.

# 10.6. Hazardous decomposition products.

Information not available.

# **SECTION 11.** Toxicological information.

According to currently available data, this product has not yet produced health damages. Anyway, it must be handled according to good industrial practices.

### 11.1. Information on toxicological effects.

Information not available.

# **SECTION 12. Ecological information.**

Use this product according to good working practices. Avoid littering. Inform the competent authorities, should the product reach waterways or sewers or contaminate soil or vegetation.

### 12.1. Toxicity.

Information not available.

#### **12.2. Persistence and degradability.** Information not available.

**12.3. Bioaccumulative potential.** Information not available.

### **12.4. Mobility in soil.** Information not available.

### 12.5. Results of PBT and vPvB assessment.

On the basis of available data, the product does not contain any PBT or vPvB in percentage greater than 0,1%.

### 12.6. Other adverse effects.

Information not available.

# **SECTION 13. Disposal considerations.**

### 13.1. Waste treatment methods.

Reuse, when possible. Neat product residues should be considered special non-hazardous waste. Disposal must be performed through an authorised waste management firm, in compliance with national and local regulations. Avoid littering. Do not contaminate soil, sewers and waterways. CONTAMINATED PACKAGING Contaminated packaging must be recovered or disposed of in compliance with national waste management regulations.

# **SECTION 14. Transport information.**

The product is not dangerous under current provisions of the Code of International Carriage of Dangerous Goods by Road (ADR) and by Rail (RID), of the International Maritime Dangerous Goods Code (IMDG), and of the International Air Transport Association (IATA) regulations.

# **SECTION 15. Regulatory information.**

None.

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture.

Seveso category.

Restrictions relating to the product or contained substances pursuant to Annex XVII to EC Regulation 1907/2006. None.

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Substances in Candidate List (Art. 59 REACH).

None.

Substances subject to authorisarion (Annex XIV REACH).

None.

Substances subject to exportation reporting pursuant to (EC) Reg. 689/2008:

None.

Substances subject to the Rotterdam Convention:

None.

Substances subject to the Stockholm Convention: None.

Healthcare controls. Information not available.

### 15.2. Chemical safety assessment.

No chemical safety assessment has been processed for the mixture and the substances it contains.

## **SECTION 16.** Other information.

LEGEND:

- ADR: European Agreement concerning the carriage of Dangerous goods by Road
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- TWA: Time-weighted average exposure limit
- VOC: Volatile organic Compounds
- vPvB: Very Persistent and very Bioaccumulative as for REACH Regulation.

### GENERAL BIBLIOGRAPHY

- 1. Directive 1999/45/EC and following amendments
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- 7. Regulation (EC) 286/2011 (II Atp. CLP) of the European Parliament
- 8. The Merck Index. 10th Edition

**V RAW SIENNA** 

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Changes to previous review: The following sections were modified: 01 / 02 / 08 / 09 / 11 / 12 / 15 / 16.

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MSDS for #00397 - MAIMERI VENEZIA WC **INDUSTRIA MAIMERI S.P.A.** Revision nr.1 Dated 19/6/2014 Printed on 19/6/2014 **V RAW UMBER** 18493 Page n. 1/6 Information Sheet SECTION 1. Identification of the substance/mixture and of the company/undertaking 1.1. Product identifier Code: 18493 Product name V RAW UMBER 18493 1.2. Relevant identified uses of the substance or mixture and uses advised against Intended use Water colour. 1.3. Details of the supplier of the safety data sheet Name INDUSTRIA MAIMERI S.P.A. Full address Via Gianni Maimeri, 1 District and Country 20060 Mediglia (MI) Italia Tel. +39 02 906981 Fax +39 02 90698999 e-mail address of the competent person responsible for the Safety Data Sheet schedesicurezza@maimeri.it INDUSTRIA MAIMERI S.P.A. VIA G.MAIMERI 1 20060 BETTOLINO DI MEDIGLIA Product distribution by (MI) ITALY 1.4. Emergency telephone number Australia : 131126 For urgent inquiries refer to USA: 1 800 222 1222 Regno Unito NHS Direct (UK): +44 (0) 845 46 47 **SECTION 2. Hazards identification.** 2.1. Classification of the substance or mixture. The product is not classified as hazardous pursuant to the provisions set forth in EC Regulation 1272/2008 (CLP) (and subsequent amendments and supplements). 2.1.1. Regulation 1272/2008 (CLP) and following amendments and adjustments. Hazard classification and indication: 2.2. Label elements. Hazard pictograms: Signal words: Hazard statements: Precautionary statements: 2.3. Other hazards. Information not available. **SECTION 3. Composition/information on ingredients.** 3.1. Substances. Information not relevant. 3.2. Mixtures. The product does not contain substances classified as being hazardous to human health or the environment pursuant to the provisions set forth in Directives 67/548/EEC and/or EC Regulation 1272/2008 (CLP) (and subsequent amendments and supplements).

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### **SECTION 4. First aid measures.**

### 4.1. Description of first aid measures.

Not specifically necessary. Observance of good industrial hygiene is recommended.

- **4.2. Most important symptoms and effects, both acute and delayed.** No episodes of damage to health ascribable to the product have been reported.
- **4.3. Indication of any immediate medical attention and special treatment needed.** Information not available.

### **SECTION 5. Firefighting measures.**

### 5.1. Extinguishing media.

SUITABLE EXTINGUISHING EQUIPMENT The extinguishing equipment should be of the conventional kind: carbon dioxide, foam, powder and water spray. UNSUITABLE EXTINGUISHING EQUIPMENT None in particular.

### 5.2. Special hazards arising from the substance or mixture.

HAZARDS CAUSED BY EXPOSURE IN THE EVENT OF FIRE Do not breathe combustion products.

### Do not breathe combustion prod

#### 5.3. Advice for firefighters. GENERAL INFORMATION

Use jets of water to cool the containers to prevent product decomposition and the development of substances potentially hazardous for health. Always wear full fire prevention gear. Collect extinguishing water to prevent it from draining into the sewer system. Dispose of contaminated water used for extinction and the remains of the fire according to applicable regulations. SPECIAL PROTECTIVE EQUIPMENT FOR FIRE-FIGHTERS

Normal fire fighting clothing i.e. fire kit (BS EN 469), gloves (BS EN 659) and boots (HO specification A29 and A30) in combination with

self-contained open circuit positive pressure compressed air breathing apparatus (BS EN 137).

### **SECTION 6.** Accidental release measures.

#### 6.1. Personal precautions, protective equipment and emergency procedures. Use breathing equipment if fumes or powders are released into the air. These indications apply for both processing staff and those

involved in emergency procedures.

### 6.2. Environmental precautions.

The product must not penetrate into the sewer system or come into contact with surface water or ground water.

### 6.3. Methods and material for containment and cleaning up.

Confine using earth or inert material. Collect as much material as possible and eliminate the rest using jets of water. Contaminated material should be disposed of in compliance with the provisions set forth in point 13.

### 6.4. Reference to other sections.

Any information on personal protection and disposal is given in sections 8 and 13.

### SECTION 7. Handling and storage.

### 7.1. Precautions for safe handling.

Before handling the product, consult all the other sections of this material safety data sheet. Avoid leakage of the product into the environment. Do not eat, drink or smoke during use.

### 7.2. Conditions for safe storage, including any incompatibilities.

Keep the product in clearly labelled containers. Keep containers away from any incompatible materials, see section 10 for details.

### 7.3. Specific end use(s).

Information not available.

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# SECTION 8. Exposure controls/personal protection.

### 8.1. Control parameters.

Information not available.

### 8.2. Exposure controls.

Observance of safety measures used in handling chemical substances. RESPIRATORY PROTECTION None required. EYE PROTECTION None required. HAND PROTECTION None required. SKIN PROTECTION None required.

# **SECTION 9.** Physical and chemical properties.

9.1. Information on basic physical and chen	nical p	properties.
Appearance	-	paste
Colour		DEEP BROWN
Odour		ARABIC GUM
Odour threshold.		Not available.
pH.		
Melting point / freezing point.		Not available.
Initial boiling point.		Not available.
Boiling range.		Not available.
Flash point.	>	60 °C.
Evaporation Rate		Not available.
Flammability of solids and gases		Not available.
Lower inflammability limit.		Not available.
Upper inflammability limit.		Not available.
Lower explosive limit.		Not available.
Upper explosive limit.		Not available.
Vapour pressure.		Not available.
Vapour density		Not available.
Relative density.		0,2 Kg/l
Solubility		INSOLUBLE, DILUTE WITH WATER
Partition coefficient: n-octanol/water		Not available.
Auto-ignition temperature.		Not available.
Decomposition temperature.		Not available.
Viscosity		35.000 / 40.000 cps
Explosive properties		Not available.
Oxidising properties		Not available.
9.2. Other information.		
Solid content.		46,28 %
VOC (Directive 1999/13/EC) :		0
VOC (volatile carbon) :		0

# **SECTION 10. Stability and reactivity.**

### 10.1. Reactivity.

There are no particular risks of reaction with other substances in normal conditions of use.

### 10.2. Chemical stability.

The product is stable in normal conditions of use and storage.

### 10.3. Possibility of hazardous reactions.

No hazardous reactions are foreseeable in normal conditions of use and storage.

### 10.4. Conditions to avoid.

None in particular. However the usual precautions used for chemical products should be respected.

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SECTION 10. Stability and reactivity. ... / >>

# 10.5. Incompatible materials.

Information not available.

# 10.6. Hazardous decomposition products.

Information not available.

# **SECTION 11.** Toxicological information.

According to currently available data, this product has not yet produced health damages. Anyway, it must be handled according to good industrial practices.

### 11.1. Information on toxicological effects.

Information not available.

# **SECTION 12. Ecological information.**

Use this product according to good working practices. Avoid littering. Inform the competent authorities, should the product reach waterways or sewers or contaminate soil or vegetation.

### 12.1. Toxicity.

Information not available.

#### 12.2. Persistence and degradability. Information not available.

**12.3. Bioaccumulative potential.** Information not available.

### **12.4. Mobility in soil.** Information not available.

### 12.5. Results of PBT and vPvB assessment.

On the basis of available data, the product does not contain any PBT or vPvB in percentage greater than 0,1%.

### 12.6. Other adverse effects.

Information not available.

## **SECTION 13.** Disposal considerations.

### 13.1. Waste treatment methods.

Reuse, when possible. Neat product residues should be considered special non-hazardous waste. Disposal must be performed through an authorised waste management firm, in compliance with national and local regulations. Avoid littering. Do not contaminate soil, sewers and waterways. CONTAMINATED PACKAGING Contaminated packaging must be recovered or disposed of in compliance with national waste management regulations.

## **SECTION 14. Transport information.**

The product is not dangerous under current provisions of the Code of International Carriage of Dangerous Goods by Road (ADR) and by Rail (RID), of the International Maritime Dangerous Goods Code (IMDG), and of the International Air Transport Association (IATA) regulations.

# **SECTION 15. Regulatory information.**

None.

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture.

Seveso category.

Restrictions relating to the product or contained substances pursuant to Annex XVII to EC Regulation 1907/2006. None.

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Substances in Candidate List (Art. 59 REACH).

None.

Substances subject to authorisarion (Annex XIV REACH).

None.

Substances subject to exportation reporting pursuant to (EC) Reg. 689/2008:

None.

Substances subject to the Rotterdam Convention:

None.

Substances subject to the Stockholm Convention: None.

Healthcare controls. Information not available.

### 15.2. Chemical safety assessment.

No chemical safety assessment has been processed for the mixture and the substances it contains.

## **SECTION 16.** Other information.

LEGEND:

- ADR: European Agreement concerning the carriage of Dangerous goods by Road
- CAS NUMBER: Chemical Abstract Service Number
- CE50: Effective concentration (required to induce a 50% effect)
- CE NUMBER: Identifier in ESIS (European archive of existing substances)
- CLP: EC Regulation 1272/2008
- DNEL: Derived No Effect Level
- EmS: Emergency Schedule
- GHS: Globally Harmonized System of classification and labeling of chemicals
- IATA DGR: International Air Transport Association Dangerous Goods Regulation
- IC50: Immobilization Concentration 50%
- IMDG: International Maritime Code for dangerous goods
- IMO: International Maritime Organization
- INDEX NUMBER: Identifier in Annex VI of CLP
- LC50: Lethal Concentration 50%
- LD50: Lethal dose 50%
- OEL: Occupational Exposure Level
- PBT: Persistent bioaccumulative and toxic as REACH Regulation
- PEC: Predicted environmental Concentration
- PEL: Predicted exposure level
- PNEC: Predicted no effect concentration
- REACH: EC Regulation 1907/2006
- RID: Regulation concerning the international transport of dangerous goods by train
- TLV: Threshold Limit Value
- TLV CEILING: Concentration that should not be exceeded during any time of occupational exposure.
- TWA STEL: Short-term exposure limit
- TWA: Time-weighted average exposure limit
- VOC: Volatile organic Compounds
- vPvB: Very Persistent and very Bioaccumulative as for REACH Regulation.

### GENERAL BIBLIOGRAPHY

- 1. Directive 1999/45/EC and following amendments
- 2. Directive 67/548/EEC and following amendments and adjustments
- 3. Regulation (EC) 1907/2006 (REACH) of the European Parliament
- 4. Regulation (EC) 1272/2008 (CLP) of the European Parliament
- 5. Regulation (EC) 790/2009 (I Atp. CLP) of the European Parliament
- 6. Regulation (EC) 453/2010 of the European Parliament
- 7. Regulation (EC) 286/2011 (II Atp. CLP) of the European Parliament
- 8. The Merck Index. 10th Edition

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## SECTION 16. Other information. ... / >>

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9. Handling Chemical Safety

10. Niosh - Registry of Toxic Effects of Chemical Substances

11. INRS - Fiche Toxicologique (toxicological sheet)

12. Patty - Industrial Hygiene and Toxicology

13. N.I. Sax - Dangerous properties of Industrial Materials-7, 1989 Edition

14. ECHA website

Note for users:

The information contained in the present sheet are based on our own knowledge on the date of the last version. Users must verify the suitability and thoroughness of provided information according to each specific use of the product.

This document must not be regarded as a guarantee on any specific product property.

The use of this product is not subject to our direct control; therefore, users must, under their own responsibility, comply with the current health and safety laws and regulations. The producer is relieved from any liability arising from improper uses. Provide appointed staff with adequate training on how to use chemical products.

Changes to previous review: The following sections were modified: 01 / 02 / 08 / 09 / 11 / 12 / 15 / 16.

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V BURNT UMBER		18492	Printed on 19/6/2014 Page n. 1 / 6			
Information Sheet						
SECTION 1. Identification of the s	substance/mixtu	re and of the con	npany/undertaking			
1.1. Product identifier						
Code: Product name	18492 V BURNT UMBE	R 18492				
1.2. Relevant identified uses of the substance	or mixture and uses a	advised against				
Intended use	Water colour.					
1.3. Details of the supplier of the safety data s	sheet					
Name Full address District and Country	INDUSTRIA MAII Via Gianni Maim 20060 Mediglia Italia Tel. +39 02 9	eri, 1 06981	(MI)			
e-mail address of the competent person responsible for the Safety Data Sheet	Fax +39 02 9 schedesicurezza	0698999 @maimeri.it				
Product distribution by	INDUSTRIA MAII (MI) ITALY	INDUSTRIA MAIMERI S.P.A. VIA G.MAIMERI 1 20060 BETTOLINO DI MEDIGLIA (MI) ITALY				
1.4. Emergency telephone number						
For urgent inquiries refer to	Australia : 13112 USA: 1 800 222 Regno Unito NH		45 46 47			
SECTION 2. Hazards identification	n.					
2.1. Classification of the substance or mixture	э.					
The product is not classified as hazardous pur amendments and supplements).	rsuant to the provisions	set forth in EC Regulatio	n 1272/2008 (CLP) (and subsequent			
2.1.1. Regulation 1272/2008 (CLP) and followin	ng amendments and a	djustments.				
Hazard classification and indication:						
2.2. Label elements.						
Hazard pictograms:						
Signal words:						
Hazard statements: Precautionary statements: 2.3. Other hazards.						
Information not available.						
<b>SECTION 3. Composition/informa</b>	ation on ingredie	ents.				
3.1. Substances.						
Information not relevant.						
3.2. Mixtures.						
The product does not contain substances clas set forth in Directives 67/548/EEC and/or EC I						
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### **SECTION 4. First aid measures.**

### 4.1. Description of first aid measures.

Not specifically necessary. Observance of good industrial hygiene is recommended.

- **4.2. Most important symptoms and effects, both acute and delayed.** No episodes of damage to health ascribable to the product have been reported.
- **4.3. Indication of any immediate medical attention and special treatment needed.** Information not available.

### **SECTION 5. Firefighting measures.**

### 5.1. Extinguishing media.

SUITABLE EXTINGUISHING EQUIPMENT The extinguishing equipment should be of the conventional kind: carbon dioxide, foam, powder and water spray. UNSUITABLE EXTINGUISHING EQUIPMENT None in particular.

## 5.2. Special hazards arising from the substance or mixture.

HAZARDS CAUSED BY EXPOSURE IN THE EVENT OF FIRE

Do not breathe combustion products.

#### 5.3. Advice for firefighters. GENERAL INFORMATION

Use jets of water to cool the containers to prevent product decomposition and the development of substances potentially hazardous for health. Always wear full fire prevention gear. Collect extinguishing water to prevent it from draining into the sewer system. Dispose of contaminated water used for extinction and the remains of the fire according to applicable regulations. SPECIAL PROTECTIVE EQUIPMENT FOR FIRE-FIGHTERS

Normal fire fighting clothing i.e. fire kit (BS EN 469), gloves (BS EN 659) and boots (HO specification A29 and A30) in combination with self-contained open circuit positive pressure compressed air breathing apparatus (BS EN 137).

### **SECTION 6. Accidental release measures.**

# **6.1. Personal precautions, protective equipment and emergency procedures.** Use breathing equipment if fumes or powders are released into the air. These indications apply for both processing staff and those involved in emergency procedures.

### 6.2. Environmental precautions.

The product must not penetrate into the sewer system or come into contact with surface water or ground water.

### 6.3. Methods and material for containment and cleaning up.

Confine using earth or inert material. Collect as much material as possible and eliminate the rest using jets of water. Contaminated material should be disposed of in compliance with the provisions set forth in point 13.

### 6.4. Reference to other sections.

Any information on personal protection and disposal is given in sections 8 and 13.

### SECTION 7. Handling and storage.

### 7.1. Precautions for safe handling.

Before handling the product, consult all the other sections of this material safety data sheet. Avoid leakage of the product into the environment. Do not eat, drink or smoke during use.

### 7.2. Conditions for safe storage, including any incompatibilities.

Keep the product in clearly labelled containers. Keep containers away from any incompatible materials, see section 10 for details.

### 7.3. Specific end use(s).

Information not available.

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# SECTION 8. Exposure controls/personal protection.

### 8.1. Control parameters.

Information not available.

### 8.2. Exposure controls.

Observance of safety measures used in handling chemical substances. RESPIRATORY PROTECTION None required. EYE PROTECTION None required. HAND PROTECTION None required. SKIN PROTECTION None required.

# **SECTION 9.** Physical and chemical properties.

9.1. Information on basic physical and cher	nical p	properties.	
Appearance			
Colour		DEEP BROWN	
Odour		ARABIC GUM	
Odour threshold.		Not available.	
pH.			
Melting point / freezing point.		Not available.	
Initial boiling point.		Not available.	
Boiling range.		Not available.	
Flash point.	>	60 °C.	
Evaporation Rate		Not available.	
Flammability of solids and gases		Not available.	
Lower inflammability limit.		Not available.	
Upper inflammability limit.		Not available.	
Lower explosive limit.		Not available.	
Upper explosive limit.		Not available.	
Vapour pressure.		Not available.	
Vapour density		Not available.	
Relative density.		0,2 Kg/l	
Solubility		INSOLUBLE, DILUTE WITH WATER	
Partition coefficient: n-octanol/water		Not available.	
Auto-ignition temperature.		Not available.	
Decomposition temperature.		Not available.	
Viscosity		35.000 / 40.000 cps	
Explosive properties		Not available.	
Oxidising properties		Not available.	
9.2. Other information.			
Solid content.		52,54 %	
VOC (Directive 1999/13/EC) :		0	
VOC (volatile carbon) :		0	

# **SECTION 10. Stability and reactivity.**

### 10.1. Reactivity.

There are no particular risks of reaction with other substances in normal conditions of use.

### 10.2. Chemical stability.

The product is stable in normal conditions of use and storage.

### 10.3. Possibility of hazardous reactions.

No hazardous reactions are foreseeable in normal conditions of use and storage.

### 10.4. Conditions to avoid.

None in particular. However the usual precautions used for chemical products should be respected.

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SECTION 10. Stability and reactivity. ... / >>

**10.5. Incompatible materials.** Information not available.

10.6. Hazardous decomposition products.

Information not available.

## **SECTION 11.** Toxicological information.

According to currently available data, this product has not yet produced health damages. Anyway, it must be handled according to good industrial practices.

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### 11.1. Information on toxicological effects.

Information not available.

# **SECTION 12. Ecological information.**

Use this product according to good working practices. Avoid littering. Inform the competent authorities, should the product reach waterways or sewers or contaminate soil or vegetation.

# 12.1. Toxicity.

Information not available.

#### **12.2. Persistence and degradability.** Information not available.

**12.3. Bioaccumulative potential.** Information not available.

# 12.4. Mobility in soil.

Information not available.

### 12.5. Results of PBT and vPvB assessment.

On the basis of available data, the product does not contain any PBT or vPvB in percentage greater than 0,1%.

### 12.6. Other adverse effects.

Information not available.

# **SECTION 13.** Disposal considerations.

13.1. Waste treatment methods.

Reuse, when possible. Neat product residues should be considered special non-hazardous waste. Disposal must be performed through an authorised waste management firm, in compliance with national and local regulations. Avoid littering. Do not contaminate soil, sewers and waterways. CONTAMINATED PACKAGING Contaminated packaging must be recovered or disposed of in compliance with national waste management regulations.

## **SECTION 14. Transport information.**

The product is not dangerous under current provisions of the Code of International Carriage of Dangerous Goods by Road (ADR) and by Rail (RID), of the International Maritime Dangerous Goods Code (IMDG), and of the International Air Transport Association (IATA) regulations.

# **SECTION 15. Regulatory information.**

None.

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture.

Seveso category.

Restrictions relating to the product or contained substances pursuant to Annex XVII to EC Regulation 1907/2006. None.

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SECTION 15. Regulatory information / >>		
Substances in Candidate List (Art. 59 REACH).		
Substances subject to authorisarion (Annex XIV REACH).		
Substances subject to exportation reporting pursuant to (EC) Reg. 6 None.	889/2008:	
Substances subject to the Rotterdam Convention: None.		
Substances subject to the Stockholm Convention: None.		
Healthcare controls. Information not available.		
15.2. Chemical safety assessment.		
No chemical safety assessment has been processed for the mix	xture and the substances it contains	i.
SECTION 16. Other information.		
LEGEND: - ADR: European Agreement concerning the carriage of Danger - CAS NUMBER: Chemical Abstract Service Number - CE50: Effective concentration (required to induce a 50% effec - CE NUMBER: Identifier in ESIS (European archive of existing - CLP: EC Regulation 1272/2008 - DNEL: Derived No Effect Level - EmS: Emergency Schedule - GHS: Globally Harmonized System of classification and labelin - IATA DGR: International Air Transport Association Dangerous - IC50: Immobilization Concentration 50% - IMDG: International Maritime Code for dangerous goods - IMO: International Maritime Organization - INDEX NUMBER: Identifier in Annex VI of CLP - LC50: Lethal Concentration 50% - LD50: Lethal Concentration 50% - DEL: Occupational Exposure Level - PBT: Persistent bioaccumulative and toxic as REACH Regulat - PEC: Predicted environmental Concentration - PEL: Predicted environmental Concentration - PEL: Predicted no effect concentration - REACH: EC Regulation 1907/2006 - RID: Regulation concerning the international transport of dang - TLV: Threshold Limit Value - TLV CEILING: Concentration that should not be exceeded dur - TWA STEL: Short-term exposure limit - TWA: Time-weighted average exposure limit - VOC: Volatile organic Compounds - vPvB: Very Persistent and very Bioaccumulative as for REACH	t) substances) ng of chemicals Goods Regulation tion terous goods by train ring any time of occupational exposu	Jre.
<ul> <li>GENERAL BIBLIOGRAPHY</li> <li>1. Directive 1999/45/EC and following amendments</li> <li>2. Directive 67/548/EEC and following amendments and adjustr</li> <li>3. Regulation (EC) 1907/2006 (REACH) of the European Parlia</li> <li>4. Regulation (EC) 1272/2008 (CLP) of the European Parliamer</li> <li>5. Regulation (EC) 790/2009 (I Atp. CLP) of the European Parlia</li> <li>6. Regulation (EC) 453/2010 of the European Parliament</li> <li>7. Regulation (EC) 286/2011 (II Atp. CLP) of the European Parlia</li> <li>8. The Merck Index 10th Edition</li> </ul>	ment ht ament	

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# **INDUSTRIA MAIMERI S.P.A.**

# V BURNT UMBER

# SECTION 16. Other information. ... / >>

9. Handling Chemical Safety

- 10. Niosh Registry of Toxic Effects of Chemical Substances
- 11. INRS Fiche Toxicologique (toxicological sheet)
- 12. Patty Industrial Hygiene and Toxicology
- 13. N.I. Sax Dangerous properties of Industrial Materials-7, 1989 Edition
- 14. ECHA website

Note for users:

The information contained in the present sheet are based on our own knowledge on the date of the last version. Users must verify the suitability and thoroughness of provided information according to each specific use of the product.

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This document must not be regarded as a guarantee on any specific product property.

The use of this product is not subject to our direct control; therefore, users must, under their own responsibility, comply with the current health and safety laws and regulations. The producer is relieved from any liability arising from improper uses. Provide appointed staff with adequate training on how to use chemical products.

Changes to previous review: The following sections were modified: 01 / 02 / 08 / 09 / 11 / 12 / 15 / 16.