

00756-1009

MSDS for #00754 - PEBEO FANTASY MOON

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SAFETY DATA SHEET (REGULATION (EC) No 1907/2006 - REACH)
 Name: Fantasy moon : toutes couleurs / all colours - 167015

Version 1.1 (09/08/2011) - Page 1/9
 Company: PEBEO S.A

SAFETY DATA SHEET
 (REACH regulation (EC) n° 1907/2006 - n° 453/2010)

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product Identifier

Product name: Fantasy moon : toutes couleurs / all colours
 Product code: 167015.

1.2. Relevant Identified uses of the substance or mixture and uses advised against
 Paints & Varnishes for artists

1.3. Details of the supplier of the safety data sheet

Registered company name: PEBEO S.A.
 Address: 305 AVENUE DU PIC DE BERTAGNE - BP106 - 13881.GEMENOS CEDEX.FRANCE.
 Telephone: 33 (0) 4.42.32.08.08. Fax: 33 (0) 4.42.32.01.70.
 cdedeyne@pebeo.com
 www.pebeo.com

1.4. Emergency telephone number : 33 (0) 1.45.42.59.59.

Association Organisation: INRS / ORFILA <http://www.centres-antipoison.net>.

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

In compliance with directives 67/548/EEC, 1999/45/EC and their amendments.

Flammable.

May produce an allergic reaction.

This mixture does not present a health hazard.

This mixture does not present an environmental hazard. No known or foreseeable environmental damage under standard conditions of use.

2.2. Label elements

In compliance with directives 67/548/EEC, 1999/45/EC and their amendments.

Hazard symbols:

Flammable

Contains:

Contains 616-014-00-0 2-BUTANONE OXIME. May produce an allergic reaction.

Risk phrase:

R 10

Flammable.

Safety phrase:

S 2

Keep out of the reach of children.

S 46

If swallowed, seek medical advice immediately and show this container or label.

S 23

Do not breathe vapour

S 24

Avoid contact with skin.

S 51

Use only in well-ventilated areas.

S 62

If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.

2.3. Other hazards

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No data available.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances

No substances fulfil the criteria set forth in annexe II section A of the REACH regulation (EC) n° 1907/2006.

3.2. Mixtures

Composition :

Identification	Name	Classification	%
INDEX: 649-327-00-6 EC: 265-150-3 REACH: 01-2119474196-32	NAPHTHA (PETROLEUM), HYDROTREATED HEAVY	GHS08, Dgr Xn H:304 R: 65 NOTA: H P	25 <= x % < 50
EC: 919-857-5 REACH: 01-2119463258-33	HYDROCARBONS, C9-C11, N-ALCANES, ISOALKANES, CYCLICS <2% AROMATICS	GHS07, GHS08, GHS02, Dgr Xn H:226-304-336 EUH:066 R: 10-65-67-66	2.5 <= x % < 10
INDEX: 616-014-00-0 EC: 202-496-6	2-BUTANONE OXIME	GHS08, GHS05, GHS07, Dgr Xn H:351-312-318-317 R: 40.C3-41-43-21	0 <= x % < 2.5

SECTION 4: FIRST AID MEASURES

As a general rule, in case of doubt or if symptoms persist, always call a doctor.

NEVER induce swallowing by an unconscious person.

4.1. Description of first aid measures

In the event of splashes or contact with eyes:

Wash thoroughly with soft, clean water for 15 minutes holding the eyelids open.

In the event of swallowing:

In the event of swallowing, if the quantity is small (no more than one mouthful), rinse the mouth with water and consult a doctor.

Seek medical attention, showing the label.

If swallowed accidentally, call a doctor to ascertain whether observation and hospital care will be necessary. Show the label.

4.2. Most important symptoms and effects, both acute and delayed

No data available.

4.3. Indication of any immediate medical attention and special treatment needed

No data available.

SECTION 5: FIREFIGHTING MEASURES

Flammable.

Chemical powders, carbon dioxide and other extinguishing gas are suitable for small fires.

5.1. Extinguishing media

Keep packages near the fire cool, to prevent pressurised containers from bursting.

Suitable methods of extinction

In the event of a fire, use:

- sprayed water or water mist
- water with AFFF (Aqueous Film Forming Foam) additive
- halon
- foam
- multipurpose ABC powder
- BC powder
- carbon dioxide (CO2)

Prevent the effluent of fire-fighting measures from entering drains or waterways.

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Unsuitable methods of extinction

In the event of a fire, do not use:
- water jet

5.2. Special hazards arising from the substance or mixture

A fire will often produce a thick black smoke. Exposure to decomposition products may be hazardous to health.

Do not breathe in smoke.

In the event of a fire, the following may be formed:

- carbon monoxide (CO)
- carbon dioxide (CO₂)

5.3. Advice for firefighters

Fire-fighting personnel are to be equipped with autonomous insulating breathing apparatus.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Consult the safety measures listed under headings 7 and 8.

For non fire-fighters

Because of the organic solvents contained in the mixture, eliminate sources of ignition and ventilate the area.

For fire-fighters

Fire-fighters will be equipped with suitable personal protective equipment (See section 8).

6.2. Environmental precautions

Contain and control the leaks or spills with non-combustible absorbent materials such as sand, earth, vermiculite, diatomaceous earth in drums for waste disposal.

Prevent any material from entering drains or waterways.

6.3. Methods and material for containment and cleaning up

Clean preferably with a detergent, do not use solvents.

6.4. Reference to other sections

No data available.

SECTION 7: HANDLING AND STORAGE

Requirements relating to storage premises apply to all facilities where the mixture is handled.

7.1. Precautions for safe handling

Always wash hands after handling.

Ensure that there is adequate ventilation, especially in confined areas.

Fire prevention:

Handle in well-ventilated areas.

Vapours are heavier than air. They can spread along the ground and form mixtures that are explosive with air.

Prevent the formation of flammable or explosive concentrations in air and avoid vapor concentrations higher than the occupational exposure limits.

Prevent the accumulation of electrostatic charges with connections to earth

The mixture can become electrostatically charged: always earth during decanting operations. Wear antistatic shoes and clothing and floors should be electrically conductive.

Use the mixture in premises free of naked flames or other sources of ignition and ensure that electrical equipment is suitably protected.

Keep packages tightly closed and away from sources of heat, sparks and naked flames.

Do not use tools which may produce sparks. Do not smoke.

Prevent access by unauthorised personnel.

Recommended equipment and procedures:

For personal protection, see section 8.

Observe precautions stated on label and also industrial safety regulations

Packages which have been opened must be reclosed carefully and stored in an upright position

Prohibited equipment and procedures:

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- No smoking, eating or drinking in areas where the mixture is used.
- 7.2. Conditions for safe storage, including any incompatibilities**
 No data available.
- Storage**
 Keep out of reach of children
 Keep the container tightly closed in a dry, well-ventilated place
 Keep away from all sources of ignition - do not smoke.
 Keep well away from all sources of ignition, heat and direct sunlight
 Avoid accumulation of electrostatic charges.
 The floor must be impermeable and form a collecting basin so that, in the event of an accidental spillage, the liquid cannot spread beyond this area.
- Packaging**
 Always keep in packaging made of an identical material to the original
- 7.3. Specific end use(s)**
 No data available.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Occupational exposure limits:

- Ireland (Code of practice for the safety, Health and Welfare at Work, 2010):

CAS	TWA:	STEL:	Ceiling:	Definition:	Criteria:
96-29-7	3 ppm	10 ppm	-	-	-

- Poland (2009):

CAS	TWA:	STEL:	Ceiling:	Definition:	Criteria:
64742-48-9	300 mg/m3	900 mg/m3	-	-	-

- USA / AIHA WEEL (American Industrial Hygiene Association, Workplace Environmental Exposure Limit, 2010):

CAS	TWA:	STEL:	Ceiling:	Definition:	Criteria:
96-29-7	10 ppm	-	-	-	-

8.2. Exposure controls

Personal protection measures, such as personal protective equipment

Pictogram(s) indicating the obligation of wearing personal protective equipment (PPE):



Use personal protective equipment that is clean and has been properly maintained.
 Store personal protective equipment in a clean place, away from the work area.
 Never eat, drink or smoke during use. Remove and wash contaminated clothing before re-using. Ensure that there is adequate ventilation, especially in confined areas.

- Eye / face protection

Avoid contact with eyes.
 Use eye protectors designed to protect against liquid splashes
 Before handling, wear safety goggles in accordance with standard EN166.

- Hand protection

Wear suitable protective gloves in the event of prolonged or repeated skin contact.

Type of gloves recommended :

- Nitrile rubber (butadiene-acrylonitrile copolymer rubber (NBR))
- PVA (Polyvinyl alcohol)

- Body protection

Work clothing worn by personnel shall be laundered regularly.
 After contact with the product, all parts of the body that have been soiled must be washed.

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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**9.1. Information on basic physical and chemical properties****General information:**

Physical state:

viscous liquid

Important health, safety and environmental information:

pH of the substance or preparation:

not relevant.

The pH is impossible to measure or its value is not relevant.

Boiling point/boiling range:

250 °C.

Flash point interval:

not relevant.

Flash Point:

36.00 °C.

Vapour pressure:

below 110 kPa (1.10 bar).

Density:

< 1

Water solubility:

Insoluble.

Melting point/melting range:

not relevant.

Self-ignition temperature:

not relevant.

Decomposition point/decomposition range :

not relevant.

9.2. Other information

VOC (g/l):

395.96

No data available.

SECTION 10: STABILITY AND REACTIVITY**10.1. Reactivity**

No data available.

10.2. Chemical stability

This mixture is stable under the recommended handling and storage conditions in section 7.

10.3. Possibility of hazardous reactions

When exposed to high temperatures, the mixture can release hazardous decomposition products, such as carbon monoxide and dioxide, fumes and nitrogen oxide.

10.4. Conditions to avoid

Any apparatus likely to produce a flame or to have a metallic surface at high temperature (burners, electric arcs, furnaces etc.) must not be allowed on the premises.

Avoid:

- accumulation of electrostatic charges.
- heating
- heat
- flames and hot surfaces

10.5. Incompatible materials**10.6. Hazardous decomposition products**

The thermal decomposition may release/form:

- carbon monoxide (CO)
- carbon dioxide (CO₂)

SECTION 11: TOXICOLOGICAL INFORMATION**11.1. Information on toxicological effects**

Exposure to vapours from solvents in the mixture in excess of the stated occupational exposure limit may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effects on kidney, liver and central nervous system.

Symptoms produced will include headaches, numbness, dizziness, fatigue, muscular asthenia and, in extreme cases, loss of consciousness.

Repeated or prolonged contact with the mixture may cause removal of natural oil from the skin resulting in non-allergic contact dermatitis and absorption through the skin.

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Splashes in the eyes may cause irritation and reversible damage

Acute toxicity:

CAS:
HYDROCARBONS, C9-C11, N-ALCANES, ISOALKANES, CYCLICS, <2% AROMATICS

Oral route: DL50 > 5000 mg/kg
OECD Guideline 401 (Acute Oral Toxicity)
Species: Rat (recommended by the CLP)
Dermal route: DL50 > 5000 mg/kg
OECD Guideline 402 (Acute Dermal Toxicity)
Species: Rabbit (recommended by the CLP)
Inhalation route : CL50 > 4951 mg/m3
Duration of exposure: 4 h
Species: Rat (recommended by the CLP)

Carcinogenicity:

CAS:
HYDROCARBONS, C9-C11, N-ALCANES, ISOALKANES, CYCLICS, <2% AROMATICS

Carcinogenicity Test: Negative.
No carcinogenic effect.
OECD Guideline 453 (Combined Chronic Toxicity / Carcinogenicity Studies)

Reproductive toxicant:

CAS:
HYDROCARBONS, C9-C11, N-ALCANES, ISOALKANES, CYCLICS, <2% AROMATICS

No toxic effect for reproduction
OECD Guideline 414 (Prenatal Developmental Toxicity Study)
OECD Guideline 421 (Reproduction / Developmental Toxicity Screening Test)

Specific target organ systemic toxicity - repeated exposure:

CAS:
HYDROCARBONS, C9-C11, N-ALCANES, ISOALKANES, CYCLICS, <2% AROMATICS

Oral route: Duration of exposure: 90 days
C > 100 mg/kg body weight/day
Duration of exposure: 90 days
OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity in Rodents)
Species: Rat (recommended by CLP)
Inhalation route (Vapours): Duration of exposure: 90 days
C > 1 mg/l/6hrs/day
Duration of exposure: 90 days
OECD Guideline 413 (Subchronic Inhalation Toxicity: 90-Day)

Mixture

No toxicological data available for the mixture.

Respiratory or skin sensitisation:

Contains at least one sensitising substance. May cause an allergic reaction.

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Substances

Substances classified as category 1 acute toxicity:

CAS:
HYDROCARBONS, C9-C11, N-ALCANES, ISOALKANES, CYCLICS, <2% AROMATICS

Fish toxicity: Duration of exposure: 96 h
Duration of exposure: 48 h
Duration of exposure: 72 h
CL50 1000 mg/l
Species: *Oncorhynchus mykiss*

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Crustacean toxicity: CE50 1000 mg/l
Species: Daphnia magna
Algae toxicity: CE50 1000 mg/l
Species: Pseudokirchnerella subcapitata

Mixtures

No aquatic toxicity data available for the mixture.

12.2. Persistence and degradability

No data available.

12.3. Bioaccumulative potential

No data available.

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

No data available.

12.6. Other adverse effects

No data available.

SECTION 13: DISPOSAL CONSIDERATIONS

Proper waste management of the mixture and/or its container must be determined in accordance with Directive 2008/98/EC.

13.1. Waste treatment methods

Do not pour into drains or waterways.

Waste:

Waste management is carried out without endangering human health, without harming the environment and, in particular without risk to water, air, soil, plants or animals.

Recycle or dispose of waste in compliance with current legislation, preferably via a certified collector or company.

Do not contaminate the ground or water with waste, do not dispose of waste into the environment.

Solded packaging:

Empty container completely. Keep label(s) on container.

Give to a certified disposal contractor.

Codes of wastes (Decision 2001/573/EC, Directive 2006/12/EEC, Directive 94/31/EEC on hazardous waste):

20 01 27 * paint, inks, adhesives and resins containing dangerous substances

15 01 02 plastic packaging

SECTION 14: TRANSPORT INFORMATION

Transport product in compliance with provisions of the ADR for road, RID for rail, IMDG for sea and ICAO/IATA for air transport (ADR 2011 - IMDG 2010 - ICAO/IATA 2011).

- Classification:



UN1263-PAINT (including paint, lacquer, enamel, stain, shellac, varnish, polish, liquid filler and liquid lacquer base) or PAINT RELATED MATERIAL (including paint thinning and reducing compound)

ADR/RID	Class	Code	Pack gr.	Label	Ident.	LQ	Provis.	EQ	Cat.	Tunnel
	3	F1	III	3	30	5 L	163 640EE 650	E1	13	D/E

Not subject to this regulation if Q < 450l.

IMDG	Class	Label	Pack gr.	LQ	EMS	Provis.	EQ
	3	-	III	5 L	F-E-S-E	163 223 955	E1

Not subject to this regulation if Q < 30l

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IATA	Class	2°Label	Pack gr.	Passager	Passager	Cargo	Cargo	note	EO
	3	-	III	355	60 L	366	220 L	A3 A72	E1
	3	-	III	Y344	10 L	-	-	A3 A72	E1

SECTION 15: REGULATORY INFORMATION

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

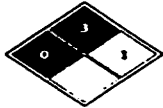
The mixture is contained in packaging that does not exceed 125 ml.

- Particular provisions:

No data available.

- Standardised American system for the identification of hazards presented by the product in view of emergency procedures (NFPA 704):

NFPA 704. Labelling: Health=0 Inflammability=3 Instability/Reactivity=1 Specific Risk=none



15.2. Chemical safety assessment

No data available.

SECTION 16: OTHER INFORMATION

Since the user's working conditions are not known by us, the information supplied on this safety data sheet is based on our current level of knowledge and on national and community regulations.

The mixture must not be used for other uses than those specified in section 1 without having first obtained written handling instructions.

It is at all times the responsibility of the user to take all necessary measures to comply with legal requirements and local regulations.

The information in this safety data sheet must be regarded as a description of the safety requirements relating to the mixture and not as a guarantee of the properties thereof.

Title for H, ECH and R indications mentioned in section 3:

H226	Flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.
H312	Harmful in contact with skin.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H336	May cause drowsiness or dizziness.
H351	Suspected of causing cancer.
EUH066	Repeated exposure may cause skin dryness or cracking.
R 10	Flammable.
R 21	Harmful in contact with skin.
R 40.C3	Limited evidence of a carcinogenic effect.
R 41	Risk of serious damage to eyes.
R 43	May cause sensitisation by skin contact.
R 65	Harmful: may cause lung damage if swallowed.
R 66	Repeated exposure may cause skin dryness or cracking.
R 67	Vapours may cause drowsiness and dizziness.

Abbreviations:

ADR: European agreement concerning the international carriage of dangerous goods by Road.

IMDG: International Maritime Dangerous Goods.

IATA: International Air Transport Association.

ICAO: International Civil Aviation Organisation

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RfD: Regulations concerning the International carriage of Dangerous goods by rail.
WGK: Wassergefährdungsklasse (Water Hazard Class).

Difference Report

Difference Report

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SAFETY DATA SHEET
(REACH regulation (EC) n° 1907/2006 - n° 453/2010)

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Product name: Fantasy prism : toutes couleurs / all colours
Product code: 166020.

1.2. Relevant identified uses of the substance or mixture and uses advised against
Paints & Varnishes for artists

1.3. Details of the supplier of the safety data sheet

Registered company name: PEBEO S.A.
Address: 305 AVENUE DU PIC DE BERTAGNE - BP106 - 13881.GEMENOS CEDEX.FRANCE.
Telephone: 33 (0) 4.42.32.08.08. Fax: 33 (0) 4.42.32.01.70.
cedeyne@pebeo.com
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SECTION 2: HAZARDS IDENTIFICATION

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Contains:

Contains 616-014-00-0 2-BUTANONE OXIME. May produce an allergic reaction.

Risk phrase:

R 10

Flammable.

Safety phrase:

S 2

Keep out of the reach of children.

S 46

If swallowed, seek medical advice immediately and show this container or label.

S 23

Do not breathe vapour

S 24

Avoid contact with skin.

S 51

Use only in well-ventilated areas.

S 62

If swallowed, do not induce vomiting; seek medical advice immediately and show this container or label.

2.3. Other hazards

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No data available.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances

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Seek medical attention, showing the label.

If swallowed accidentally, call a doctor to ascertain whether observation and hospital care will be necessary. Show the label.

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- water with AFFF (Aqueous Film Forming Foam) additive
- halon
- foam
- multipurpose ABC powder
- BC powder
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Prevent the effluent of fire-fighting measures from entering drains or waterways.

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Unsuitable methods of extinction

In the event of a fire, do not use:
 - water jet

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A fire will often produce a thick black smoke. Exposure to decomposition products may be hazardous to health.
 Do not breathe in smoke.

In the event of a fire, the following may be formed:

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Prevent the accumulation of electrostatic charges with connections to earth

The mixture can become electrostatically charged: always earth during decanting operations. Wear antistatic shoes and clothing and floors should be electrically conductive.

Use the mixture in premises free of naked flames or other sources of ignition and ensure that electrical equipment is suitably protected.

Keep packages tightly closed and away from sources of heat, sparks and naked flames.

Do not use tools which may produce sparks. Do not smoke.

Prevent access by unauthorised personnel.

Recommended equipment and procedures:

For personal protection, see section 8.

Observe precautions stated on label and also industrial safety regulations

Packages which have been opened must be reclosed carefully and stored in an upright position

Prohibited equipment and procedures:

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Company: PEBEO S A

No smoking, eating or drinking in areas where the mixture is used.

7.2. Conditions for safe storage, including any incompatibilities
 No data available.

Storage

Keep out of reach of children

Keep the container tightly closed in a dry, well-ventilated place

Keep away from all sources of ignition - do not smoke.

Keep well away from all sources of ignition, heat and direct sunlight

Avoid accumulation of electrostatic charges.

The floor must be impermeable and form a collecting basin so that, in the event of an accidental spillage, the liquid cannot spread beyond this area.

Packaging

Always keep in packaging made of an identical material to the original

7.3. Specific end use(s)

No data available.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Occupational exposure limits:

- Ireland (Code of practice for the safety, Health and Welfare at Work, 2010):

CAS	TWA:	STEL:	Ceiling:	Definition:	Criteria:
96-29-7	3 ppm	10 ppm	-	-	-

- Poland (2009):

CAS	TWA:	STEL:	Ceiling:	Definition:	Criteria:
64742-48-9	300 mg/m ³	900 mg/m ³	-	-	-

- USA / AIHA WEEL (American Industrial Hygiene Association, Workplace Environmental Exposure Limit, 2010):

CAS	TWA:	STEL:	Ceiling:	Definition:	Criteria:
96-29-7	10 ppm	-	-	-	-

8.2. Exposure controls

Personal protection measures, such as personal protective equipment

Pictogram(s) indicating the obligation of wearing personal protective equipment (PPE):



Use personal protective equipment that is clean and has been properly maintained.

Store personal protective equipment in a clean place, away from the work area.

Never eat, drink or smoke during use. Remove and wash contaminated clothing before re-using. Ensure that there is adequate ventilation, especially in confined areas.

- Eye / face protection

Avoid contact with eyes.

Use eye protectors designed to protect against liquid splashes

Before handling, wear safety goggles in accordance with standard EN166.

- Hand protection

Wear suitable protective gloves in the event of prolonged or repeated skin contact.

Type of gloves recommended :

- Nitrile rubber (butadiene-acrylonitrile copolymer rubber (NBR))

- PVA (Polyvinyl alcohol)

- Body protection

Work clothing worn by personnel shall be laundered regularly.

After contact with the product, all parts of the body that have been soiled must be washed.

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Name: Fantasy prism : toutes couleurs / all colours - 166020

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 Company: PEBEO S.A

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

General information:

Physical state:

viscous liquid

Important health, safety and environmental information:

pH of the substance or preparation:

not relevant.

The pH is impossible to measure or its value is not relevant.

Boiling point/boiling range:

180 °C.

Flash point interval:

not relevant.

Flash Point:

24.20 °C.

Vapour pressure:

below 110 kPa (1.10 bar).

Density:

< 1

Water solubility:

Insoluble.

Melting point/melting range:

not relevant.

Self-ignition temperature:

not relevant.

Decomposition point/decomposition range :

not relevant.

9.2. Other Information

VOC (g/l):

402.40

No data available.

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

No data available.

10.2. Chemical stability

This mixture is stable under the recommended handling and storage conditions in section 7.

10.3. Possibility of hazardous reactions

When exposed to high temperatures, the mixture can release hazardous decomposition products, such as carbon monoxide and dioxide, fumes and nitrogen oxide.

10.4. Conditions to avoid

Any apparatus likely to produce a flame or to have a metallic surface at high temperature (burners, electric arcs, furnaces etc.) must not be allowed on the premises.

Avoid:

- accumulation of electrostatic charges.
- heating
- heat
- flames and hot surfaces

10.5. Incompatible materials

10.6. Hazardous decomposition products

The thermal decomposition may release/form:

- carbon monoxide (CO)
- carbon dioxide (CO₂)

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Exposure to vapours from solvents in the mixture in excess of the stated occupational exposure limit may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effects on kidney, liver and central nervous system.

Symptoms produced will include headaches, numbness, dizziness, fatigue, muscular asthenia and, in extreme cases, loss of consciousness.

Repeated or prolonged contact with the mixture may cause removal of natural oil from the skin resulting in non-allergic contact dermatitis and absorption through the skin.

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Name: Fantasy prism : toutes couleurs / all colours - 166020

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Company: PEBEO S A

Splashes in the eyes may cause irritation and reversible damage

Acute toxicity:

CAS:
HYDROCARBONS, C9-C11, N-ALCANES, ISOALKANES, CYCLICS, <2% AROMATICS

Oral route: DL50 > 5000 mg/kg
OECD Guideline 401 (Acute Oral Toxicity)
Species: Rat (recommended by the CLP)

Dermal route: DL50 > 5000 mg/kg
OECD Guideline 402 (Acute Dermal Toxicity)
Species: Rabbit (recommended by the CLP)

Inhalation route : CL50 > 4951 mg/m3
Duration of exposure: 4 h
Species: Rat (recommended by the CLP)

Carcinogenicity:

CAS:
HYDROCARBONS, C9-C11, N-ALCANES, ISOALKANES, CYCLICS, <2% AROMATICS

Carcinogenicity Test: Negative.
No carcinogenic effect.
OECD Guideline 453 (Combined Chronic Toxicity / Carcinogenicity Studies)

Reproductive toxicant:

CAS:
HYDROCARBONS, C9-C11, N-ALCANES, ISOALKANES, CYCLICS, <2% AROMATICS

No toxic effect for reproduction
OECD Guideline 414 (Prenatal Developmental Toxicity Study)
OECD Guideline 421 (Reproduction / Developmental Toxicity Screening Test)

Specific target organ systemic toxicity - repeated exposure:

CAS:
HYDROCARBONS, C9-C11, N-ALCANES, ISOALKANES, CYCLICS, <2% AROMATICS

Oral route: Duration of exposure: 90 days
C > 100 mg/kg body weight/day
Duration of exposure: 90 days
OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity in Rodents)
Species: Rat (recommended by CLP)

Inhalation route (Vapours): Duration of exposure: 90 days
C > 1 mg/l/6hrs/day
Duration of exposure: 90 days
OECD Guideline 413 (Subchronic Inhalation Toxicity: 90-Day)

Mixture

No toxicological data available for the mixture.

Respiratory or skin sensitisation:

Contains at least one sensitising substance. May cause an allergic reaction.

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Substances

Substances classified as category 1 acute toxicity:

CAS:
HYDROCARBONS, C9-C11, N-ALCANES, ISOALKANES, CYCLICS, <2% AROMATICS

Fish toxicity: Duration of exposure: 96 h
Duration of exposure: 48 h
Duration of exposure: 72 h
CL50 1000 mg/l
Species: Oncorhynchus mykiss

MSDS for #00755 - PEBEO FANTASY PRISME

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SAFETY DATA SHEET (REGULATION (EC) No 1907/2006 - REACH)
Name: Fantasy prism : toutes couleurs / all colours - 166020

Version 2.1 (29/07/2011) - Page 7/9
Company: PEBEO S A

Crustacean toxicity: CE50 1000 mg/l
Species: Daphnia magna

Algae toxicity: CEr50 1000 mg/l
Species: Pseudokirchnerella subcapitata

Mixtures

No aquatic toxicity data available for the mixture.

12.2. Persistence and degradability

No data available.

12.3. Bioaccumulative potential

No data available.

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

No data available.

12.6. Other adverse effects

No data available.

SECTION 13: DISPOSAL CONSIDERATIONS

Proper waste management of the mixture and/or its container must be determined in accordance with Directive 2008/98/EC.

13.1. Waste treatment methods

Do not pour into drains or waterways.

Waste:

Waste management is carried out without endangering human health, without harming the environment and, in particular without risk to water, air, soil, plants or animals.

Recycle or dispose of waste in compliance with current legislation, preferably via a certified collector or company.

Do not contaminate the ground or water with waste, do not dispose of waste into the environment.

Solled packaging:

Empty container completely. Keep label(s) on container.

Give to a certified disposal contractor.

Codes of wastes (Decision 2001/573/EC, Directive 2006/12/EEC, Directive 94/31/EEC on hazardous waste) :

20 01 27 * paint, inks, adhesives and resins containing dangerous substances

15 01 02 plastic packaging

SECTION 14: TRANSPORT INFORMATION

Transport product in compliance with provisions of the ADR for road, RID for rail, IMDG for sea and ICAO/IATA for air transport (ADR 2011 - IMDG 2010 - ICAO/IATA 2011).

- Classification:



UN1263-PAINT (including paint, lacquer, enamel, stain, shellac, varnish, polish, liquid filler and liquid lacquer base) or PAINT RELATED MATERIAL (including paint thinning and reducing compound)

ADR/RID	Class	Code	Pack gr.	Label	Ident.	LQ	Provis.	EQ	Cat.	Tunnel
	3	F1	III	3	30	5 L	163 640EE 650	F1	3	DVE

Not subject to this regulation if Q < 450l.

IMDG	Class	Label	Pack gr.	LQ	EMS	Provis.	EQ
	3	-	III	5 L	F-E-S-E	163 223 955	F1

Not subject to this regulation if Q < 30l

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Company: PEBEO S.A

IATA	Class	2*Label	Pack gr.	Passager	Passager	Cargo	Cargo	note	EO
	3	-	III	355	60 L	366	220 L	A3 A72	E1
	3	-	III	Y344	10 L	-	-	A3 A72	E1

SECTION 15: REGULATORY INFORMATION

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

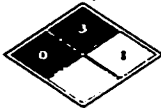
The mixture is contained in packaging that does not exceed 125 ml.

- Particular provisions:

No data available.

- Standardised American system for the identification of hazards presented by the product in view of emergency procedures (NFPA 704):

NFPA 704, Labelling: Health=0 Inflammability=3 Instability/Reactivity=1 Specific Risk=none



15.2. Chemical safety assessment

No data available.

SECTION 16: OTHER INFORMATION

Since the user's working conditions are not known by us, the information supplied on this safety data sheet is based on our current level of knowledge and on national and community regulations.

The mixture must not be used for other uses than those specified in section 1 without having first obtained written handling instructions.

It is at all times the responsibility of the user to take all necessary measures to comply with legal requirements and local regulations.

The information in this safety data sheet must be regarded as a description of the safety requirements relating to the mixture and not as a guarantee of the properties thereof.

Title for H, EU H and R indications mentioned in section 3:

H226	Flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.
H312	Harmful in contact with skin.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H336	May cause drowsiness or dizziness.
H351	Suspected of causing cancer.
EUH066	Repeated exposure may cause skin dryness or cracking.
R 10	Flammable.
R 21	Harmful in contact with skin.
R 40.C3	Limited evidence of a carcinogenic effect.
R 41	Risk of serious damage to eyes.
R 43	May cause sensitisation by skin contact.
R 65	Harmful: may cause lung damage if swallowed.
R 66	Repeated exposure may cause skin dryness or cracking.
R 67	Vapours may cause drowsiness and dizziness.

Abbreviations:

ADR: European agreement concerning the international carriage of dangerous goods by Road.

IMDG: International Maritime Dangerous Goods.

IATA: International Air Transport Association.

ICAO: International Civil Aviation Organisation

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SAFETY DATA SHEET (REGULATION (EC) No 1907/2006 - REACH)
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Company: PEBEO S.A

RID: Regulations concerning the International carriage of Dangerous goods by rail.
WGK: Wassergefährdungsklasse (Water Hazard Class).

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Revision: N°2 (29/07/2011) / Version: N°1 (29/07/2011)
~~Revision: N°1 (30/06/2011) / Version: N°1 (30/06/2011)~~

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Composition :			
EC: 919-857-5 REACH: 01-2119463258-33	HYDROCARBONS, C9-C11, N-ALCANES, ISOALKANES, CYCLICS, <2% AROMATICS	GHS07, GHS08, GHS03, Dgr Xn H:226-304-336 EUH:066 R: 10-65-67-66	10 <= x % < 35
EC: 919-857-5 REACH: 01-2119463258-33	HYDROCARBONS, C9-C11, N-ALCANES, ISOALKANES, CYCLICS, <2% AROMATICS	GHS07, GHS08, GHS02, Dgr Xn H:226-304-336 EUH:066 R: 10-65-67-66	2.5 <= x % < 10

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Important health, safety and environmental information:

Flash Point: ~~40.00 °C~~, 24.20 °C.
Flash Point:
9.2. Other Information
VOC (g/l): ~~441.33~~

SECTION 15: REGULATORY INFORMATION

- Standardised American system for the identification of hazards presented by the product in view of emergency procedures (NFPA 704):

~~NFPA 704, Labelling: Health=0 Inflammability=3 Instability/Reactivity=1 Specific Risk=none~~
NFPA 704, Labelling: Health=0 Inflammability=3 Instability/Reactivity=1 Specific Risk=none

SECTION 16: OTHER INFORMATION

Abbreviations:
VOC (g/l): 402.40

SAFETY DATA SHEET (EC REGULATION No 1907/2006)
Name: Ceme relief toutes couleurs / all colours - 390000

Version 8.1 (30/07/2009) - Page 1/5
Company: PEBEO INDUSTRIES

SAFETY DATA SHEET

1 - IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Identification of the substance or preparation:

Name: Ceme relief toutes couleurs / all colours.

Product code: 390000.

Company/undertaking identification:

Registered company name: PEBEO INDUSTRIES.

Address: 305 AVENUE DU PIC DE BERTAGNE - BP106 - 13881.GEMENOS CEDEX.FRANCE.

Telephone: 33 (0) 4.42.32.08.08. **Fax:** 33 (0) 4.42.32.01.70.

cdeleyne@pebeo.com

www.pebeo.com

Emergency telephone: 33 (0) 1.45.42.59.59.

Association/Organisation: INRS / ORFILA <http://www.centres-antipoison.net>.

Use of the substance/preparation:

Paint & Varnish

2 - HAZARDS IDENTIFICATION

This product is not classed as flammable. Refer to the recommendations regarding the other products present on the site

This preparation is not classed as hazardous to health by directive 1999/45/EC.

Other data:

Packaging < 125 ml.

3 - COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous substances present on their own:

(present in the preparation at a sufficient concentration to give it the toxicological characteristics it would have in a 100% pure state)

This preparation contains no hazardous substance in this category.

Other substances representing a hazard:

No known substance in this category present.

Substances present at a concentration below the minimum danger threshold:

No known substance in this category present.

Other substances with occupational exposure limits:

No known substance in this category present.

4 - FIRST AID MEASURES

As a general rule, in case of doubt or if symptoms persist, always call a doctor.

NEVER induce swallowing in an unconscious person.

In the event of splashes or contact with eyes:

Wash thoroughly with soft, clean water for 15 minutes holding the eyelids open.

Refer the patient to an ophthalmologist, in particular if there is any redness, pain or visual impairment.

In the event of splashes or contact with skin:

Remove contaminated clothing and wash the skin thoroughly with soap and water or a recognised cleaner.

DO NOT use solvents or thinners.

In the event of swallowing:

In the event of swallowing, if the quantity is small (no more than one mouthful), rinse the mouth with water and consult a doctor.

If swallowed accidentally, call a doctor to assess the need for monitoring and subsequent treatment in hospital. Show him the label.

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SAFETY DATA SHEET (EC REGULATION No 1907/2006)
Name: Ceme relief toutes couleurs / all colours - 390000

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Company: PEBEO INDUSTRIES

5 - FIRE-FIGHTING MEASURES

Not relevant.

6 - ACCIDENTAL RELEASE MEASURES

Personal precautions:

Consult the safety measures listed under headings 7 and 8.

Environmental precautions:

Contain and control the leaks or spills with non-combustible absorbent materials such as sand, earth, vermiculite, diatomaceous earth in drums for waste disposal.

Prevent any material from entering drains or waterways.

Methods for cleaning up:

Clean preferably with a detergent, do not use solvents.

7 - HANDLING AND STORAGE

The regulations relating to storage premises apply to workshops where the product is handled.

Fire prevention:

Prevent access by unauthorised personnel.

8 - EXPOSURE CONTROLS/PERSONAL PROTECTION



Use personal protection equipment as per Directive 89/686/EEC.

Technical measures:

Personnel shall wear regularly laundered overalls.

Respiratory protection:

Anti-aerosol filters

- P2 (white)

Anti-gas filters :

- A2 (brown)

Hand protection:

Type of gloves recommended :

- Butyl rubber

- Neoprene

9 - PHYSICAL AND CHEMICAL PROPERTIES

General information:

Physical state:

viscous liquid

Important health, safety and environmental information:

pH of the substance or preparation:

slightly basic,

When a pH measure is possible, it has a value of:

8.50 .

pH (aqueous solution):

8.5

Boiling point/boiling range:

not relevant.

Flash point interval:

not relevant.

Vapour pressure:

not relevant.

Density:

> 1

Density:

1.14

Water solubility:

Dilutable.

Other information:

melting point/melting range:

not relevant.

SAFETY DATA SHEET (EC REGULATION No 1907/2006)
Name: Ceme relief toutes couleurs / all colours - 390000

Version 8.1 (30/07/2009) - Page 3/5
Company: PEHEO INDUSTRIES

Self-ignition temperature:	not relevant.
Decomposition point/decomposition range :	not relevant.
% VOC:	0
VOC (g/l):	1.18

10 - STABILITY AND REACTIVITY

The preparation is stable at the handling and storage conditions recommended per § 7 of the safety data sheet.

11 - TOXICOLOGICAL INFORMATION

The preparation contains no substance classed as hazardous per directive 67/548/EEC.
 No data is available regarding the preparation itself.
 Splashes in the eyes may cause irritation and reversible damage

12 - ECOLOGICAL INFORMATION

No ecological data on the product itself is available.

13 - DISPOSAL CONSIDERATIONS

Do not pour into drains or waterways.

Waste:

Recycle or dispose of waste in compliance with current legislation, preferably via a certified collector or company.
 Do not contaminate the ground or water with waste, do not dispose of waste into the environment.

Solded packaging:

Empty container completely. Keep label(s) on container.
 Give to a certified disposal contractor.

Codes of wastes (Decision 2001/573/EC, Directive 2006/12/EEC, Directive 94/31/EEC on hazardous waste) :

08 01 19 - aqueous suspensions containing paint or varnish containing organic solvents or other dangerous substances

14 - TRANSPORT INFORMATION

Exempt from transport classification and labelling.

Transport product in compliance with provisions of the ADR for road, RID for rail, IMDG for sea and ICAO/IATA for air transport (ADR 2009 - IMDG 2008 - ICAO/IATA 2009).

15 - REGULATORY INFORMATION

This preparation was classified in compliance with the directive known as <All preparations> 1999/45/EC and its adaptations
 In addition directive 2008/58/EC with the 30° adaptation of directive 67/548/EEC (Hazardous substances) have been taken into account.

In addition directive 2009/2/EC with the 31° adaptation of directive 67/548/EEC (Hazardous substances) have been taken into account.

In addition Regulation (EC) No 1272/2008 have been taken into account.

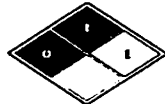
This preparation is not classed as hazardous to health by directive 1999/45/EC.

This product is not classed as flammable.

Packaging < 125 ml.

Particular provisions:

NFPA 704 Label: Health=0 Flammability=1 Instability=1 Special Hazards=none



SAFETY DATA SHEET (EC REGULATION No 1907/2006)
Name: Ceme relief toutes couleurs / all colours - 390000

Version 8.1 (30/07/2009) - Page 4/5
Company: FEBEO INDUSTRIES

16 - OTHER INFORMATION

Since the user's working conditions are not known by us, the information supplied on this safety data sheet is based on our current level of knowledge and on national and community regulations.

The product must not be used for any purposes other than those specified under heading 1 without first obtaining written handling instructions.

It is at all times the responsibility of the user to take all necessary measures to comply with legal requirements and local regulations.

The information given on this safety data sheet must be regarded as a description of the safety requirements relating to our product and not a guarantee of its properties

Full text of risk phrases appearing in section 3:

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Revision: N°8 (30/07/2009) / Version: N°1 (30/07/2009)

Revision: N°6 (15/02/2006) / Version: N°3 (09/06/2009)

3 - COMPOSITION/INFORMATION ON INGREDIENTS

Substances present at a concentration below the minimum danger threshold:

INDEX	CAS	EC	Name	Symb.	R+	%
	35265-77-4	346-771-0	TRXANOL			0,4-2,5

4 - FIRST AID MEASURES

In the event of splashes or contact with eyes:

Wash thoroughly with soft, clean water for 15 minutes holding the eyelids open.

Refer the patient to an ophthalmologist, in particular if there is any redness, pain or visual impairment.

In the event of splashes or contact with skin:

Remove contaminated clothing and wash the skin thoroughly with soap and water or a recognised cleaner.

DO NOT use solvents or thinners.

In the event of swallowing:

In the event of swallowing, if the quantity is small (no more than one mouthful), rinse the mouth with water and consult a doctor.

If swallowed accidentally, call a doctor to assess the need for monitoring and subsequent treatment in hospital. Show him the label.

5 - FIRE-FIGHTING MEASURES

Special protective equipment for fire-fighters:

~~Due to the toxicity of the gas emitted on thermal decomposition of the products, fire-fighting personnel are to be equipped with autonomous insulating breathing apparatus.~~

8 - EXPOSURE CONTROLS/PERSONAL PROTECTION



Respiratory protection:

Anti-aerosol filters

- P2 (white)

Anti-gas filters :

- A2 (brown)

Hand protection:

Type of gloves recommended :

- Butyl rubber

SAFETY DATA SHEET (EC REGULATION No 1907/2006)
 Name: Vitrail solvant : medium pailleté / glitter medium - 051001

Version 4.1 (03/08/2009) - Page 1/10
 Company: PEBEO INDUSTRIES

SAFETY DATA SHEET

1 - IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Identification of the substance or preparation:

Name: Vitrail solvant : medium pailleté / glitter medium.
 Product code: 051001.

Company/undertaking identification:

Registered company name: PEBEO INDUSTRIES.
 Address: 305 AVENUE DU PIC DE BERTAGNE - BP106 - 13881.GEMENOS CEDEX.FRANCE.
 Telephone: 33 (0) 4.42.32.08.08. Fax: 33 (0) 4.42.32.01.70.
 cdedcync@pebeo.com
 www.pebeo.com

Emergency telephone: 33 (0) 1.45.42.59.59.

Association/Organisation: INRS / ORFILA <http://www.centres-antipoison.net>.

Use of the substance/preparation:

Paint & Varnish

2 - HAZARDS IDENTIFICATION

This product is classed: Flammable.
 May produce an allergic reaction.

Preparation classification:
 Flammable

R 10 Flammable.

Other data:

Packaging < 125 ml.

3 - COMPOSITION/INFORMATION ON INGREDIENTS

Full text of risk phrases appearing in section 3: see section 16.

Hazardous substances present on their own:

(present in the preparation at a sufficient concentration to give it the toxicological characteristics it would have in a 100% pure state)

This preparation contains no hazardous substance in this category.

Other substances representing a hazard:

No known substance in this category present.

Substances present at a concentration below the minimum danger threshold:

INDEX	ICAS	EC	Name	Symb.	R:	%
	34590-94-8	252-104-2	DIPROPYLENGLYCOLMETHYLETHE R	Xi	38 53	2.5 <= x % < 10
603-064-00-3	107-98-2	203-539-1	MONOPROPYLENE GLYCOL METHYL ETHER		10 67	2.5 <= x % < 10

Other substances with occupational exposure limits:

No known substance in this category present.

Other components:

INDEX	ICAS	EC	Name	Symb.	R:	%
649-327-00-6	64743-48-9	265-150-3	NAPHTHA (PETROLEUM), HYDROTREATED HEAVY	Xn	65	25 <= x % < 30

May produce an allergic reaction:

INDEX	CAS	EC	Name	Symb.	R:	%
616-014-00-0	96-29-7	202-496-6	2-BUTANONE OXIME	Xn	40 C3 41 43 21	0 <= x % < 2.5

SAFETY DATA SHEET (EC REGULATION No 1907/2006)

Version 4.1 (03/08/2009) - Page 2/10

Name: Vitrail solvant : medium pailleté / glister medium - 051001

Company: PEBEO INDUSTRIES

4 - FIRST AID MEASURES

As a general rule, in case of doubt or if symptoms persist, always call a doctor.

NEVER induce swallowing in an unconscious person.

In the event of exposure by inhalation:

If a large quantity is inhaled, move the patient into the fresh air and keep him/her warm and still.

In the event of splashes or contact with eyes:

Wash thoroughly with soft, clean water for 15 minutes holding the eyelids open.

Refer the patient to an ophthalmologist, in particular if there is any redness, pain or visual impairment.

In the event of splashes or contact with skin:

Remove contaminated clothing and wash the skin thoroughly with soap and water or a recognised cleaner.

DO NOT use solvents or thinners.

In the event of swallowing:

In the event of swallowing, if the quantity is small (no more than one mouthful), rinse the mouth with water and consult a doctor.

If swallowed accidentally, call a doctor to assess the need for monitoring and subsequent treatment in hospital. Show him the label.

5 - FIRE-FIGHTING MEASURES

Chemical powders, carbon dioxide and other extinguishing gas are suitable for small fires.

Suitable extinguishing media:

Carbon dioxide, chemical powders, foams, and other extinguishing gases.

In the event of fire, use specifically suitable extinguishing agents. Never use water.

Extinguishing media which must not be used for safety reasons:

Water is not generally recommended since it can be ineffective; however, it can be used successfully to cool containers exposed to the fire and to disperse fumes.

A fire will often produce a thick black smoke. Exposure to decomposition products may be hazardous to health.

Do not breathe in smoke.

Prevent the effluent of fire-fighting measures from entering drains or waterways.

Special protective equipment for fire-fighters:

Fire-fighting personnel are to be equipped with autonomous insulating breathing apparatus.

6 - ACCIDENTAL RELEASE MEASURES

Personal precautions:

On account of the organic solvents contained in the preparation, eliminate sources of ignition and ventilate the premises.

Avoid inhaling the vapors.

Consult the safety measures listed under headings 7 and 8.

Environmental precautions:

Contain and control the leaks or spills with non-combustible absorbent materials such as sand, earth, vermiculite, diatomaceous earth in drums for waste disposal.

Prevent any material from entering drains or waterways.

Use drums to dispose of waste recovered in accordance with applicable regulations (see heading 13).

If the product contaminates waterways, rivers or drains, alert the relevant authorities in accordance with statutory procedures

Methods for cleaning up:

Clean preferably with a detergent, do not use solvents.

7 - HANDLING AND STORAGE

The regulations relating to storage premises apply to workshops where the product is handled.

Handling:

Handle in well-ventilated areas.

The vapors are denser than air. They can spread along the ground and form explosive mixtures with air

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MSDS for #02973 - PEBEO VITRAIL MED

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Prevent the formation of flammable or explosive concentrations in air and avoid vapor concentrations higher than the occupational exposure limits.

Fire prevention:

Prevent the accumulation of electrostatic charges with connections to earth

The preparation may become electrostatically charged; always place on the ground during transfer. Wear antistatic shoes and clothes and make floors of conductive materials.

Use the product in premises where there are no naked flames or other sources of ignition and have protected electrical equipment

Keep packages tightly closed and away from sources of heat, sparks and naked flames.

Do not use tools which may produce sparks. Do not smoke.

Prevent access by unauthorised personnel.

Recommended equipment and procedures:

For personal safety, see §8.

Observe precautions stated on label and also industrial safety regulations

Packages which have been opened must be reclosed carefully and stored in an upright position

Avoid inhaling vapors.

Prohibited equipment and procedures:

Smoking, eating and drinking are prohibited in premises where the preparation is used

Never open the packages under pressure

Storage:

Keep the container tightly closed in a dry place.

Keep away from all sources of ignition - do not smoke.

Keep well away from all sources of ignition, heat and direct sunlight

The floor must be impermeable and form a collecting basin so that, in the event of an accidental spillage, the liquid cannot spread beyond this area.

8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

Use personal protection equipment as per Directive 89/686/EEC.

Technical measures:

Ensure adequate ventilation, if possible with extractor fans at work posts and appropriate general extraction.

If this ventilation is insufficient to maintain the concentration of solvent vapors below the exposure limits, wear breathing apparatus

Exposure limit values per INRS ED 984:

France	VME-ppm:	VME-mg/m3:	VLE-ppm:	VLE-mg/m3:	Notes:	TMP N°:
107-98-2	50	188	100	375	*	84
34590-94-8	50	308	-	-	*	84
Germany	Class:	MAK-ppm:	MAK-mg/m3:	Notes:	Notes:	
107-98-2	I	100	370	C		
34590-94-8	I	50	310	-		
ACGIH(TLV)	TWA-ppm:	TWA-mg/m3:	STEL-ppm:	STEL-mg/m3:	Notes:	Notes:
107-98-2	100	369	150	553	-	S
34590-94-8	100	606	150	909	*	S

Exposure limit values per 2006/15/CE, 2000/39/EC and 98/24/EC:

EC	VME-mg/m3:	VME-ppm:	VLE-mg/m3:	VLE-ppm:	Notes:
107-98-2	375	100	568	150	Peau
34590-94-8	308	50	-	-	Peau

Exposure limit values (2003-2006):

South Africa-DOL RL	TWA:	STEL:	Ceiling:	Definition:	Criterion:
107-98-2	100 ppm	300 ppm	-	-	-
New Zealand	TWA:	STEL:	Ceiling:	Definition:	Criterion:

MSDS for #02973 - PEBEO VITRIL MED

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Name: Vitrail solvant : medium pailleté / glitter medium - 051001

Company: PEBEO INDUSTRIES

107-98-2	100 ppm	150 ppm	-	-	-		
Hong Kong	TWA:	STEL:	Ceiling:	Definition:	Criterion:		
107-98-2	100 ppm	150 ppm	-	-	-		
Switzerland	VME-mg/m3:	VME-ppm:	VLE-mg/m3:	VLE-ppm:	Temp:	RSB:	
107-98-2	360 mg/m3	100 ppm	720 mg/m3	200 ppm	4x15	B*	
34590-94-8	300 mg/m3	50 ppm	300 mg/m3	50 ppm	15min	-	
Canada-Quebec	TWA:	STEL:	Ceiling:	Definition:	Criteria:		
107-98-2	100 ppm	150 ppm	-	-	-		
34590-94-8	100 ppm	150 ppm	-	-	-		
Mexico	TWA:	STEL:	Ceiling:	Definition:	Criterion:		
34590-94-8	100 ppm	150 ppm	-	-	-		
Malaysia	TWA:	STEL:	Ceiling:	Definition:	Criterion:		
107-98-2	100 ppm	150 ppm	-	-	-		
34590-94-8	100 ppm	-	-	-	-		
Canada-British Columbia	TWA:	STEL:	Ceiling:	Definition:	Criterion:		
107-98-2	100 ppm	150 ppm	-	-	-		
34590-94-8	100 ppm	150 ppm	-	-	-		
Canada-Alberta	TWA:	STEL:	Ceiling:	Definition:	Criterion:		
107-98-2	100 ppm	150 ppm	-	-	-		
34590-94-8	100 ppm	150 ppm	-	-	-		
Australia	TWA:	STEL:	Ceiling:	Definition:	Criterion:		
107-98-2	100 ppm	150 ppm	-	-	-		
34590-94-8	100 ppm	150 ppm	-	-	-		
Germany/AGW	AGW:	AGW:	Faktor:	Bemerkungen:			
107-98-2	100 ml/m3	370 mg/m3	2(I)	DFG, Y			
34590-94-8	50 ml/m3	310 mg/m3	1(I)	DFG, EU			
Denmark(3.4/3.4.1)	TWA:	STEL:	Anm:	TWA:	STEL:	Anm:	
107-98-2	50 ppm	185 mg/m3		50 ppm			
34590-94-8	50 ppm	300 mg/m3	H				
Slovakia	TWA:	STEL:	Ceiling:	Definition:	Criterion:		
107-98-2	100 ppm	375 mg/m3	-	568 mg/m3	-		
34590-94-8	50 ppm	308 mg/m3	-		-		
UK/WELs	TWA:	STEL:	Ceiling:	Definition:	Criterion:		
107-98-2	100 ppm	150 ppm	-	-	-		
34590-94-8	50 ppm	-	-	-	-		
Ireland	TWA:	STEL:	Ceiling:	Definition:	Criterion:		
96-29-7	3 ppm	10 ppm	-	-	-		
107-98-2	100 ppm	300 ppm	-	-	-		
34590-94-8	50 ppm	100 ppm	-	-	-		
Czech Rep.	TWA:	STEL:	Ceiling:	Definition:	Criterion:		
107-98-2	270 mg/m3	550 mg/m3	-	-	-		
34590-94-8	270 mg/m3	550 mg/m3	-	-	-		
ACGIH-TLV	TWA:	STEL:	Ceiling:	Definition:	Criterion:		
107-98-2	100 ppm	150 ppm	-	-	-		
34590-94-8	100 ppm	150 ppm	-	-	-		
Germany/MAK	TWA:	STEL:	Ceiling:	Definition:	Criterion:		
107-98-2	100 ppm	200 ppm	-	-	-		
34590-94-8	50 ppm	50 ppm	-	-	-		
Germany/TRK	TWA:	STEL:	Ceiling:	Definition:	Criterion:		
107-98-2	100 ppm	370 mg/m3	=1=	Y DFG, EU	-		
34590-94-8	50 ppm	310 mg/m3	=1=	DFG, EU	-		
UK/OS	TWA:	STEL:	Ceiling:	Definition:	Criterion:		
107-98-2	100 ppm	150 ppm	-	-	-		
34590-94-8	50 ppm	-	-	-	-		

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	TWA:	STEL:	Ceiling:	Definition:	Criterion:
Nederland	107-98-2	100 ppm	-	-	-
34590-94-8	50 ppm	-	-	-	-
China	34590-94-8	600 mg/m3	900 mg/m3	-	-
Suomi Finlande	107-98-2	100 ppm	150 ppm	-	-
34590-94-8	50 ppm	-	-	-	-
Belgique	107-98-2	100 ppm	150 ppm	-	-
34590-94-8	50 ppm	-	-	-	-
Norsk	107-98-2	50 ppm	-	-	-
34590-94-8	50 ppm	-	-	-	-
Polska	64742-48-9	300 mg/m3	900 mg/m3	-	-
107-98-2	180 mg/m3	360 mg/m3	-	-	-
34590-94-8	240 mg/m3	480 mg/m3	-	-	-
España	107-98-2	100 ppm	150 ppm	-	-
34590-94-8	50 ppm	-	-	-	-
Sverige	107-98-2	50 ppm	75 ppm	-	-
34590-94-8	50 ppm	75 ppm	-	-	-
USA/AIHA WEL	96-29-7	10 ppm	-	-	-
USA/NIOSH REL	107-98-2	100 ppm	150 ppm	-	-
34590-94-8	100 ppm	150 ppm	-	-	-
USA/NIOSH IDLH	34590-94-8	-	500 ppm	-	-
USA/OSHA PEL	34590-94-8	100 ppm	150 ppm	-	-

Respiratory protection:

Where workers encounter concentrations higher than the exposure limits, they must wear suitable, approved masks.

Anti-gas filters :

- A1,A2,A3 (brown)

Hand protection:

Protective creams may be used for exposed skin, but they should not be applied after contact with the product.

In the event of prolonged or repeated contact with the hands, use appropriate gloves.

Type of gloves recommended :- Nitrile
- PVA (polyvinylalcohol)**Eye and face protection:**

Use eye protectors designed to protect against liquid splashes

Skin protection:

For further information, see § 11 of S.D.S. - Toxicological information.

9 - PHYSICAL AND CHEMICAL PROPERTIES**General information:****Physical state:**

viscous liquid

Important health, safety and environmental information:**pH of the substance or preparation:**

not relevant.

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SAFETY DATA SHEET (EC REGULATION No 1907/2006)**Name:** Vitrail solvant : medium pailleté / glitter medium - 051001

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Company: PEBEO INDUSTRIES

The pH is impossible to measure or its value is not relevant.	
Boiling point/boiling range:	180 °C.
Flash point interval:	23°C ≤ Flash point ≤ 55°C
Flash point:	28.50 °C.
Vapour pressure:	Below 110 kPa (1.10 bar).
Density:	< 1
Water solubility:	Insoluble.
Other information:	
melting point/melting range:	not relevant.
Self-ignition temperature:	not specified.
Decomposition point/decomposition range :	not relevant.
VOC (g/l):	476.57

10 - STABILITY AND REACTIVITY

When exposed to high temperatures, the preparation may release dangerous decomposition products such as carbon monoxide and dioxide, smoke and nitrogen oxide

11 - TOXICOLOGICAL INFORMATION

No data is available regarding the preparation itself.

Exposure to vapors from solvents contained in the preparation beyond the exposure limits stated may produce effects harmful to health, such as:

Irritation of mucous membrane and respiratory system, kidneys, liver and central nervous system.

Symptoms produced will include headaches, numbness, dizziness, fatigue, muscular asthenia and, in extreme cases, loss of consciousness.

Prolonged or repeated contact with the preparation may strip the skin of its natural oil and thus cause non-allergic dermatitis on contact and absorption through the epidermis.

Splashes in the eyes may cause irritation and reversible damage

12 - ECOLOGICAL INFORMATION

No ecological data on the product itself is available.

The product must not be allowed to run into drains or waterways.

13 - DISPOSAL CONSIDERATIONS

Do not pour into drains or waterways.

Waste:

Recycle or dispose of waste in compliance with current legislation, preferably via a certified collector or company.

Do not contaminate the ground or water with waste, do not dispose of waste into the environment.

Solled packaging:

Empty container completely. Keep label(s) on container.

Give to a certified disposal contractor.

Codes of wastes (Decision 2001/573/EC, Directive 2006/12/EEC, Directive 94/31/EEC on hazardous waste) :

20 01 27 * paint, inks, adhesives and resins containing dangerous substances

14 - TRANSPORT INFORMATION

Transport product in compliance with provisions of the ADR for road, RID for rail, IMDG for sea and ICAO/IATA for air transport (ADR 2009 - IMDG 2008 - ICAO/IATA 2009).

Classification:



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SAFETY DATA SHEET (EC REGULATION No 1907/2006)
Name: Vitrail solvant : medium pailleté / glitter medium - 051001Version 4.1 (03/08/2009) - Page 7/10
Company: PEBEO INDUSTRIESUN1263=PAINT (including paint, lacquer, enamel, stain, shellac, varnish, polish, liquid filler and liquid lacquer base) or
PAINT RELATED MATERIAL (including paint thinning and reducing compound)

ADR/RID	Class	Code	Pack gr.	Label	Ident.	LQ	Provis.	EQ	Cat.	Tunnel
	3	FI	III	3	30	LQ7	163 640E 650	E1	3	D/E

Not subject to this regulation if Q < 450l.

IMDG	Class	2° Label	Pack gr.	LQ	EMS	Provis.	EQ
	3	-	III	5 L	F-E,S-E	163 223 955	E1

Not subject to this regulation if Q < 30l

IATA	Class	2° Label	Pack gr.	Passager	Passager	Cargo	Cargo	note	EQ
	3	-	III	309	60 L	310	220 L	A3	-
	3	-	III	Y309	10 L	-	-	A3	-
								A72	-
								A72	-

15 - REGULATORY INFORMATION

This preparation was classified in compliance with the directive known as <All preparations> 1999/45/EC and its adaptations. In addition directive 2008/58/EC with the 30° adaptation of directive 67/548/EC (Hazardous substances) have been taken into account.

In addition directive 2009/2/EC with the 31° adaptation of directive 67/548/EC (Hazardous substances) have been taken into account.

In addition Regulation (EC) No 1272/2008 have been taken into account.

Packaging < 125 ml.

Preparation classification:
Flammable

Contains:

Contains 202-496-6 3-BUTANONE OXIME: May produce an allergic reaction.

Particular hazards associated with the preparation and safety recommendations:

R 10

Flammable.

S 2

Keep out of the reach of children.

S 46

If swallowed, seek medical advice immediately and show this container or label.

S 23

Ne pas respirer les vapeurs.

S 24

Avoid contact with skin.

S 51

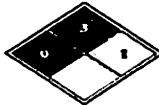
Use only in well-ventilated areas.

S 62

If swallowed, do not induce vomiting; seek medical advice immediately and show this container or label.

Particular provisions:

NFPA 704 Label: Health=0 Flammability=3 Instability=1 Special Hazards=none



16 - OTHER INFORMATION

Since the user's working conditions are not known by us, the information supplied on this safety data sheet is based on our current level of knowledge and on national and community regulations.

The product must not be used for any purposes other than those specified under heading 1 without first obtaining written handling instructions.

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SAFETY DATA SHEET (EC REGULATION No 1907/2006)

Name: Vitrail solvant : medium palette / glitter medium - 051001

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Company: PEBEO INDUSTRIES

It is at all times the responsibility of the user to take all necessary measures to comply with legal requirements and local regulations.

The information given on this safety data sheet must be regarded as a description of the safety requirements relating to our product and not a guarantee of its properties

Full text of risk phrases appearing in section 3:

- R 10 Flammable.
- R 21 Harmful in contact with skin.
- R 38 Irritating to skin.
- R 40.C3 Limited evidence of a carcinogenic effect.
- R 41 Risk of serious damage to eyes.
- R 43 May cause sensitisation by skin contact.
- R 53 May cause long-term adverse effects in the aquatic environment.
- R 65 Harmful: may cause lung damage if swallowed.
- R 67 Vapours may cause drowsiness and dizziness.

2004/42/EC (COV):

The permitted European levels of VOC in the ready-to-use product (category IIa) are 600 g/l maximum in 2007 and 500 g/l maximum in 2010.

Difference Report

Revision: N°4 (03/08/2009) / Version: N°1 (03/08/2009)

~~Revision: N°3 (13/12/2007) / Version: N°3 (09/06/2000)~~

2 - HAZARDS IDENTIFICATION

Other data:
Packaging < 125 ml.

3 - COMPOSITION/INFORMATION ON INGREDIENTS

Other substances with occupational exposure limits:

603-064-00-3	107-98-2	203-539-1	MONOPROPYLENE GLYCOL-METHYL ETHER	10	2.5 <= x % < 10
May produce an allergic reaction:					
68400-81-1	370-066-5	ACIDES GRAS RAMIFIES EN-C6-10 SELS DE COBALT	Xn-3	38-43-41-63-39	0 <= x % < 3,6
Substances present at a concentration below the minimum danger threshold:					
34590-94-8	252-104-2	DIPROPYLENGLYCOLMETHYL ETHER	R	38-53	2.5 <= x % < 10
603-064-00-3	107-98-2	203-539-1	MONOPROPYLENE GLYCOL-METHYL ETHER	10-67	2.5 <= x % < 10

8 - EXPOSURE CONTROLS/PERSONAL PROTECTION



Exposure limit values per INRS ED 984:

34590-94-8	50	308	-	-	*	84
34590-94-8	1	50	310	-	-	-
34590-94-8	100	606	150	909	*	5

Exposure limit values per 2006/15/CE, 2000/39/EC and 98/24/EC:

34590-94-8	308	50	-	-	Peau	-
34590-94-8	300 mg/m3	50 ppm	300 mg/m3	50 ppm	15min	-
34590-94-8	100 ppm	150 ppm	-	-	-	-
Mexico	TWA:	STEL:	Ceiling:	définition:	Criterion:	-

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Company: PEBEO INDUSTRIES

34590-94-8	100 ppm	150 ppm	-	-	-
34590-94-8	100 ppm	-	-	-	-
34590-94-8	100 ppm	150 ppm	-	-	-
34590-94-8	100 ppm	150 ppm	-	-	-
34590-94-8	100 ppm	150 ppm	-	-	-
34590-94-8	50 ml/m3	310 mg/m3	1(1)	DFG, EU	-
34590-94-8	50 ppm	300 mg/m3	H	-	-
34590-94-8	50 ppm	308 mg/m3	-	-	-
34590-94-8	50 ppm	-	-	-	-
34590-94-8	50 ppm	100 ppm	-	-	-
34590-94-8	270 mg/m3	550 mg/m3	-	-	-
34590-94-8	100 ppm	150 ppm	-	-	-
34590-94-8	50 ppm	50 ppm	-	-	-
34590-94-8	50 ppm	310 mg/m3	-1-	DFG, EU	-
34590-94-8	50 ppm	-	-	-	-
34590-94-8	50 ppm	-	-	-	-
China	TWA:	STEL:	Ceiling:	Definition:	Criterion:
34590-94-8	600 mg/m3	900 mg/m3	-	-	-
34590-94-8	50 ppm	-	-	-	-
34590-94-8	50 ppm	-	-	-	-
34590-94-8	50 ppm	-	-	-	-
34590-94-8	240 mg/m3	480 mg/m3	-	-	-
34590-94-8	50 ppm	-	-	-	-
N					
34590-94-8	50 ppm	75 ppm	-	-	-
34590-94-8	100 ppm	150 ppm	-	-	-
USA/NIOSH IDLH	TWA:	STEL:	Ceiling:	Definition:	Criterion:
34590-94-8	-	-	500 ppm	-	-
USA/OSHA PEL	TWA:	STEL:	Ceiling:	Definition:	Criterion:
34590-94-8	100 ppm	150 ppm	-	-	-

Respiratory protection:

Anti-gas filters :

- A1, A2, A3 (brown)

Hand protection:

Type of gloves recommended :

- Nitrile
- PVA (polyvinylalcohol)

9 - PHYSICAL AND CHEMICAL PROPERTIES

Other information:

VOC (g/l):	486.24	
melting point/melting range:		not relevant.
Decomposition point/decomposition range :		not relevant.
VOC (g/l):		476.57

13 - DISPOSAL CONSIDERATIONS

Codes of wastes (Decision 2001/573/EC, Directive 2006/12/EEC, Directive 94/31/EEC on hazardous waste) :

- 08-01-11-8 waste paint and varnish containing organic solvents or other dangerous substances
- 20 01 27 * paint, inks, adhesives and resins containing dangerous substances

15 - REGULATORY INFORMATION

In addition directive 2004/73/EC with the 20th adaptation of directive 67/548/EEC (Hazardous substances) have been taken into account.Made under license of European Label System, MSDS software, from L. E. France - <http://www.msdsoft.fr>

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Name: Vitrail solvant : medium pailleté / glitter medium - 051001

Company: PEBEO INDUSTRIES

In addition directive 2008/58/EC with the 30° adaptation of directive 67/548/EEC (Hazardous substances) have been taken into account.

In addition directive 2009/2/EC with the 31° adaptation of directive 67/548/EEC (Hazardous substances) have been taken into account.

In addition Regulation (EC) No 1272/2008 have been taken into account.

Packaging < 125 ml.

Contains:

~~Contains 370-066-5~~

~~ACIDES GRAS RAMIFIES EN C6-10, SELS DE COBALT. May produce an allergic reaction.~~

16 - OTHER INFORMATION

Full text of risk phrases appearing in section 3:

~~R 33~~

~~Harmful if swallowed.~~

~~R 51/53~~

~~Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.~~

R 53

May cause long-term adverse effects in the aquatic environment.

R 67

Vapours may cause drowsiness and dizziness.

SAFETY DATA SHEET (REGULATION (EC) No 1907/2006 - REACH)
Name: Vitrail Solvant : autres couleurs / other colours - 050016

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Company: PEBEO INDUSTRIES

SAFETY DATA SHEET

1 - IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Identification of the substance or preparation:

Name: Vitrail Solvant : autres couleurs / other colours.
 Product code: 050016.

Company/undertaking identification:

Registered company name: PEBEO INDUSTRIES.
 Address: 305 AVENUE DU PIC DE BERTAGNE - BP106 -.13881.GEMENOS CEDEX.FRANCE.
 Telephone: 33 (0) 4.42.32.08.08. Fax: 33 (0) 4.42.32.01.70.
 cdedcync@pebeo.com
 www.pebeo.com

Emergency telephone: 33 (0) 1.45.42.59.59.

Association/Organisation: INRS / ORFILA <http://www.centres-antipoison.net>.

Use of the substance/preparation:

Paints & Varnishes for artists

2 - HAZARDS IDENTIFICATION

This product is classified: Flammable.

May produce an allergic reaction.

Preparation classification:

Flammable
 R 10 Flammable.

3 - COMPOSITION/INFORMATION ON INGREDIENTS

Full text of risk phrases appearing in section 3: see section 16.

Hazardous substances present on their own:

(present in the preparation at a sufficient concentration to give it the toxicological characteristics it would have in a 100% pure state)

This preparation contains no hazardous substance in this category.

Other substances representing a hazard:

No known substance in this category present.

Substances present at a concentration below the minimum danger threshold:

INDEX	CAS	EC	Name	Symb.	R:	%
	34590-94-8	252-104-2	DIPROPYLENGLYCOLMETIHYLETHER	Xi	38 53	2.5 <- x % < 10
603-064-00-3	107-98-2	203-539-1	MONOPROPYLENE GLYCOL METHYL ETHER		10 67	10 <- x % < 25

Other substances with occupational exposure limits:

No known substance in this category present.

Other components:

INDEX	CAS	EC	Name	Symb.	R:	%
649-327-00-6	64742-48-9	265-150-3	NAPHTHA (PETROLEUM), HYDROTREATED HEAVY	Xn	65	25 <- x % < 50

May produce an allergic reaction:

INDEX	CAS	EC	Name	Symb.	R:	%
616-014-00-0	96-29-7	202-496-6	2-BUTANONE OXIME	Xn	40.C3 41 43 21	0 <- x % < 2.5

4 - FIRST AID MEASURES

As a general rule, in case of doubt or if symptoms persist, always call a doctor.

NEVER induce swallowing in an unconscious person.

Item Numbers: 02971-1020, 02971-2020, 02971-2500, 02971-2503, 02971-3180, 02971-3760, 02971-4010, 02971-4510, 02971-5110, 02971-5450, 02971-6000, 02971-6510, 02971-7050, 02971-7090, 02971-7630, 02971-8000, 02971-8050, 02971-8053, 02971-1023, 02971-1093, 02971-1163, 02971-2023, 02971-2583, 02971-3093, 02971-3183, 02971-3653, 02971-3723, 02971-3763, 02971-4013, 02971-4393, 02971-4513, 02971-4533, 02971-4863, 02971-5073, 02971-5113, 02971-5183, 02971-5323, 02971-5463, 02971-5803, 02971-6003, 02971-6183, 02971-6513, 02971-7013, 02971-7033, 02971-7053, 02971-7093, 02971-7173, 02971-7633, 02971-8003, 02971-9043

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In the event of exposure by inhalation:

If a large quantity is inhaled, move the patient into the fresh air and keep him/her warm and still.

In the event of splashes or contact with eyes:

Wash thoroughly with soft, clean water for 15 minutes holding the eyelids open.

Refer the patient to an ophthalmologist, in particular if there is any redness, pain or visual impairment.

In the event of splashes or contact with skin:

Remove contaminated clothing and wash the skin thoroughly with soap and water or a recognised cleaner.

DO NOT use solvents or thinners.

In the event of swallowing:

In the event of swallowing, if the quantity is small (no more than one mouthful), rinse the mouth with water and consult a doctor.

If swallowed accidentally, call a doctor to assess the need for monitoring and subsequent treatment in hospital. Show him the label.

5 - FIRE-FIGHTING MEASURES

Chemical powders, carbon dioxide and other extinguishing gas are suitable for small fires.

Suitable extinguishing media:

Carbon dioxide, chemical powders, foams, and other extinguishing gases.

In the event of fire, use specifically suitable extinguishing agents. Never use water.

Extinguishing media which must not be used for safety reasons:

Water is not generally recommended since it can be ineffective; however, it can be used successfully to cool containers exposed to the fire and to disperse fumes.

A fire will often produce a thick black smoke. Exposure to decomposition products may be hazardous to health.

Do not breathe in smoke.

Prevent the effluent of fire-fighting measures from entering drains or waterways.

Special protective equipment for fire-fighters:

Fire-fighting personnel are to be equipped with autonomous insulating breathing apparatus.

6 - ACCIDENTAL RELEASE MEASURES

Personal precautions:

On account of the organic solvents contained in the preparation, eliminate sources of ignition and ventilate the premises.

Avoid inhaling the vapors.

Consult the safety measures listed under headings 7 and 8.

Environmental precautions:

Contain and control the leaks or spills with non-combustible absorbent materials such as sand, earth, vermiculite, diatomaceous earth in drums for waste disposal.

Prevent any material from entering drains or waterways.

Use drums to dispose of waste recovered in accordance with applicable regulations (see heading 13).

If the product contaminates waterways, rivers or drains, alert the relevant authorities in accordance with statutory procedures

Methods for cleaning up:

Clean preferably with a detergent, do not use solvents.

7 - HANDLING AND STORAGE

The regulations relating to storage premises apply to workshops where the product is handled.

Handling:

Handle in well-ventilated areas.

The vapors are denser than air. They can spread along the ground and form explosive mixtures with air

Prevent the formation of flammable or explosive concentrations in air and avoid vapor concentrations higher than the occupational exposure limits.

Fire prevention:

Prevent the accumulation of electrostatic charges with connections to earth

The preparation may become electrostatically charged; always place on the ground during transfer. Wear antistatic shoes and clothes and make floors of conductive materials.

Made under license of European Label System® MSDS software from IndiDyne - <http://www.indidyne.fr>
 Item Numbers: 02971-1020, 02971-2020, 02971-2500, 02971-2503, 02971-3160, 02971-3760, 02971-4010, 02971-4510, 02971-5110, 02971-5460, 02971-6000, 02971-6510, 02971-7050, 02971-7090, 02971-7630, 02971-8000, 02971-8050, 02971-8053, 02971-1023, 02971-1093, 02971-1193, 02971-2023, 02971-2563, 02971-3093, 02971-3163, 02971-3693, 02971-3723, 02971-3783, 02971-4013, 02971-4393, 02971-4513, 02971-4593, 02971-4963, 02971-5073, 02971-5113, 02971-5183, 02971-5323, 02971-5463, 02971-5803, 02971-6003, 02971-6183, 02971-6513, 02971-7013, 02971-7033, 02971-7053, 02971-7093, 02971-7173, 02971-7633, 02971-8003, 02971-8043

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Canada-Quebec	TWA:	STEL:	Ceiling:	Definition:	Criteria:
107-98-2	100 ppm	150 ppm	-	-	-
34590-94-8	100 ppm	150 ppm	-	-	-
Mexico	TWA:	STEL:	Ceiling:	Definition:	Criterion:
34590-94-8	100 ppm	150 ppm	-	-	-
Malaysia	TWA:	STEL:	Ceiling:	Definition:	Criterion:
107-98-2	100 ppm	150 ppm	-	-	-
34590-94-8	100 ppm	-	-	-	-
Canada-British Columbia	TWA:	STEL:	Ceiling:	Definition:	Criterion:
107-98-2	100 ppm	150 ppm	-	-	-
34590-94-8	100 ppm	150 ppm	-	-	-
Canada-Alberta	TWA:	STEL:	Ceiling:	Definition:	Criterion:
107-98-2	100 ppm	150 ppm	-	-	-
34590-94-8	100 ppm	150 ppm	-	-	-
Australia	TWA:	STEL:	Ceiling:	Definition:	Criterion:
107-98-2	100 ppm	150 ppm	-	-	-
34590-94-8	100 ppm	150 ppm	-	-	-
Germany/AGW	AGW:	AGW:	Faktor:	Bemerkungen:	
107-98-2	100 ml/m3	370 mg/m3	2(I)	DFG, Y	
34590-94-8	50 ml/m3	310 mg/m3	1(I)	DFG, EU	
Denmark(3.4/3.4.1)	TWA:	STEL:	Anm:	TWA:	STEL:
107-98-2	50 ppm	185 mg/m3		50 ppm	
34590-94-8	50 ppm	300 mg/m3	H		
Slovakia	TWA:	STEL:	Ceiling:	Definition:	Criterion:
107-98-2	100 ppm	375 mg/m3	-	568 mg/m3	-
34590-94-8	50 ppm	308 mg/m3	-	-	-
UK/WELs	TWA:	STEL:	Ceiling:	Definition:	Criterion:
107-98-2	100 ppm	150 ppm	-	-	-
34590-94-8	50 ppm	-	-	-	-
Ireland	TWA:	STEL:	Ceiling:	Definition:	Criterion:
96-29-7	3 ppm	10 ppm	-	-	-
107-98-2	100 ppm	300 ppm	-	-	-
34590-94-8	50 ppm	100 ppm	-	-	-
Czech Rep.	TWA:	STEL:	Ceiling:	Definition:	Criterion:
107-98-2	270 mg/m3	550 mg/m3	-	-	-
34590-94-8	270 mg/m3	550 mg/m3	-	-	-
ACGIH/TLV	TWA:	STEL:	Ceiling:	Definition:	Criterion:
107-98-2	100 ppm	150 ppm	-	-	-
34590-94-8	100 ppm	150 ppm	-	-	-
Germany/MAK	TWA:	STEL:	Ceiling:	Definition:	Criterion:
107-98-2	100 ppm	200 ppm	-	-	-
34590-94-8	50 ppm	50 ppm	-	-	-
Germany/TRK	TWA:	STEL:	Ceiling:	Definition:	Criterion:
107-98-2	100 ppm	370 mg/m3	=1=	Y DFG, EU	-
34590-94-8	50 ppm	310 mg/m3	=1=	DFG, EU	-
UK/OES	TWA:	STEL:	Ceiling:	Definition:	Criterion:
107-98-2	100 ppm	150 ppm	-	-	-
34590-94-8	50 ppm	-	-	-	-
Nederland	TWA:	STEL:	Ceiling:	Definition:	Criterion:
107-98-2	100 ppm	-	-	-	-
34590-94-8	50 ppm	-	-	-	-
China	TWA:	STEL:	Ceiling:	Definition:	Criterion:
34590-94-8	600 mg/m3	900 mg/m3	-	-	-
Suomi/Finlande	TWA:	STEL:	Ceiling:	Definition:	Criterion:

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107-98-2	100 ppm	150 ppm	-	-	-
34590-94-8	50 ppm	-	-	-	-
Belgique	TWA:	STEL:	Ceiling:	Definition:	Criterion:
107-98-2	100 ppm	150 ppm	-	-	-
34590-94-8	50 ppm	-	-	-	-
Norsk	TWA:	STEL:	Ceiling:	Definition:	Criterion:
107-98-2	50 ppm	-	-	-	-
34590-94-8	50 ppm	-	-	-	-
Polska	TWA:	STEL:	Ceiling:	Definition:	Criterion:
64742-48-9	300 mg/m3	900 mg/m3	-	-	-
107-98-2	180 mg/m3	360 mg/m3	-	-	-
34590-94-8	240 mg/m3	480 mg/m3	-	-	-
España	TWA:	STEL:	Ceiling:	Definition:	Criterion:
107-98-2	100 ppm	150 ppm	-	-	-
34590-94-8	50 ppm	-	-	-	-
Sverige	TWA:	STEL:	Ceiling:	Definition:	Criterion:
107-98-2	50 ppm	75 ppm	-	-	-
34590-94-8	50 ppm	75 ppm	-	-	-
USA/AIHA WEEL	TWA:	STEL:	Ceiling:	Definition:	Criterion:
96-29-7	10 ppm	-	-	-	-
USA/NIOSH REL	TWA:	STEL:	Ceiling:	Definition:	Criterion:
107-98-2	100 ppm	150 ppm	-	-	-
34590-94-8	100 ppm	150 ppm	-	-	-
USA/NIOSH IDLH	TWA:	STEL:	Ceiling:	Definition:	Criterion:
34590-94-8	-	-	500 ppm	-	-
USA/OSHA PEL	TWA:	STEL:	Ceiling:	Definition:	Criterion:
34590-94-8	100 ppm	150 ppm	-	-	-

Respiratory protection:

Where workers encounter concentrations higher than the exposure limits, they must wear suitable, approved masks.

Anti-gas filters :

- A1,A2,A3 (brown)

Hand protection:

Protective creams may be used for exposed skin, but they should not be applied after contact with the product.

In the event of prolonged or repeated contact with the hands, use appropriate gloves.

Type of gloves recommended :

- Nitrile
- PVA (polyvinylalcohol)

Eye and face protection:

Use eye protectors designed to protect against liquid splashes

Skin protection:

For further information, see § 11 of S.D.S. - Toxicological information.

9 - PHYSICAL AND CHEMICAL PROPERTIES

General information:

Physical state:

fluid liquid

Important health, safety and environmental information:

pH of the substance or preparation:

not relevant.

The pH is impossible to measure or its value is not relevant.

Boiling point/boiling range:

180 °C.

Flash point interval:

23°C ≤ Flash point ≤ 55°C

Flash point:

28.40 °C.

Vapour pressure:

Below 110 kPa (1.10 bar).

Density:

< 1

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Water solubility:	Insoluble.
Other Information:	
melting point/melting range:	not relevant.
Self-ignition temperature:	not specified.
Decomposition point/decomposition range :	not relevant.
VOC (g/l):	477.05

10 - STABILITY AND REACTIVITY

When exposed to high temperatures, the preparation may release dangerous decomposition products such as carbon monoxide and dioxide, smoke and nitrogen oxide

11 - TOXICOLOGICAL INFORMATION

No data is available regarding the preparation itself.

Exposure to vapors from solvents contained in the preparation beyond the exposure limits stated may produce effects harmful to health, such as:

Irritation of mucous membrane and respiratory system, kidneys, liver and central nervous system.

Symptoms produced will include headaches, numbness, dizziness, fatigue, muscular asthenia and, in extreme cases, loss of consciousness.

Prolonged or repeated contact with the preparation may strip the skin of its natural oil and thus cause non-allergic dermatitis on contact and absorption through the epidermis.

Splashes in the eyes may cause irritation and reversible damage

12 - ECOLOGICAL INFORMATION

No ecological data on the product itself is available.

The product must not be allowed to run into drains or waterways.

13 - DISPOSAL CONSIDERATIONS

Do not pour into drains or waterways.

Waste:

Recycle or dispose of waste in compliance with current legislation, preferably via a certified collector or company.

Do not contaminate the ground or water with waste, do not dispose of waste into the environment.

Solded packaging:

Empty container completely. Keep label(s) on container.

Give to a certified disposal contractor.

Codes of wastes (Decision 2001/573/EC, Directive 2006/12/EEC, Directive 94/31/EEC on hazardous waste) :

20 01 27 * paint, inks, adhesives and resins containing dangerous substances

14 - TRANSPORT INFORMATION

Transport product in compliance with provisions of the ADR for road, RID for rail, IMDG for sea and ICAO/IATA for air transport (ADR 2009 - IMDG 2008 - ICAO/IATA 2009).

Classification:

UNI263-PAINT (including paint, lacquer, enamel, stain, shellac, varnish, polish, liquid filler and liquid lacquer base) or PAINT RELATED MATERIAL (including paint thinning and reducing compound)

ADR/RID	Class	Code	Pack gr.	Label	Ident.	LO	Provis.	EQ	Cat.	Tunnel
	3	F+	III	3	3D	LQ7	163 640E 650	E1	3	D/E
IMDG	Class	2*Label	Pack gr.	LQ	EMS	Provis.	EQ			
	3	-	III	3 L	F-E-S-E	163 223 955	E1			

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R 67 Vapours may cause drowsiness and dizziness.

Difference Report

Revision: N°11 (24/02/2010) / Version: N°1 (24/02/2010)
 Revision: N°10 (06/03/2009) / Version: N°3 (09/06/2009)

3 - COMPOSITION/INFORMATION ON INGREDIENTS

Other substances with occupational exposure limits:						
603-064-00-3	107-98-3	303-530-1	MONOPROPYLENE GLYCOL-METHYL ETHER		10	10 <= x % < 25
Substances present at a concentration below the minimum danger threshold:						
	34590-94-8	252-104-2	DIPROPYLENGLYCOLMETHYLETHE R	Xi	38 53	2.5 <= x % < 10
603-064-00-3	107-98-2	203-539-1	MONOPROPYLENE GLYCOL METHYL ETHER		10 67	10 <= x % < 25

8 - EXPOSURE CONTROLS/PERSONAL PROTECTION



Exposure limit values per INRS ED 984:						
34590-94-8	50	308	-	-	•	84
34590-94-8	1	50	310	-	-	-
34590-94-8	100	606	150	909	•	S
Exposure limit values per 2006/15/CE, 2000/39/EC and 98/24/EC:						
34590-94-8	308	50	-	-	-	Peau
34590-94-8	300	50	300	50	15 min	-
34590-94-8	100 ppm	150 ppm	-	-	-	-
Mexico						
	TWA:	STEL:	Ceiling:	definition:	Criterion:	
34590-94-8	100 ppm	150 ppm	-	-	-	-
34590-94-8	100 ppm	-	-	-	-	-
34590-94-8	100 ppm	150 ppm	-	-	-	-
34590-94-8	100 ppm	150 ppm	-	-	-	-
34590-94-8	100 ppm	150 ppm	-	-	-	-
34590-94-8	50 ml/m3	310 mg/m3	1(I)	DFG, EU	-	-
34590-94-8	50 ppm	300 mg/m3	II	-	-	-
34590-94-8	50 ppm	308 mg/m3	-	-	-	-
34590-94-8	50 ppm	-	-	-	-	-
34590-94-8	50 ppm	100 ppm	-	-	-	-
34590-94-8	270 mg/m3	550 mg/m3	-	-	-	-
34590-94-8	100 ppm	150 ppm	-	-	-	-
34590-94-8	50 ppm	50 ppm	-	-	-	-
34590-94-8	50 ppm	310 mg/m3	--1--	DFG, EU	-	-
34590-94-8	50 ppm	-	-	-	-	-
34590-94-8	50 ppm	-	-	-	-	-
34590-94-8	50 ppm	-	-	-	-	-
China						
	TWA:	STEL:	Ceiling:	Definition:	Criterion:	
34590-94-8	600 mg/m3	900 mg/m3	-	-	-	-
34590-94-8	50 ppm	-	-	-	-	-
34590-94-8	50 ppm	-	-	-	-	-
34590-94-8	50 ppm	-	-	-	-	-
34590-94-8	240 mg/m3	480 mg/m3	-	-	-	-
34590-94-8	50 ppm	-	-	-	-	-

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34590-94-8	50 ppm	75 ppm	-	-	-
34590-94-8	100 ppm	150 ppm	-	-	-
USA/NIOSH IDLH TWA:		STEL:	Ceiling:	Definition:	Criterion:
34590-94-8	-	-	500 ppm	-	-
USA/OSHA PEL TWA:		STEL:	Ceiling:	Definition:	Criterion:
34590-94-8	100 ppm	150 ppm	-	-	-

9 - PHYSICAL AND CHEMICAL PROPERTIES

Other information:

VOC (g/l):	0.62	not relevant.
melting point/melting range:		not relevant.
Decomposition point/decomposition range:		not relevant.
VOC (g/l):		477.05

13 - DISPOSAL CONSIDERATIONS

Codes of wastes (Decision 2001/573/EC, Directive 2006/12/EEC, Directive 94/31/EEC on hazardous waste):
 08-01-11 * waste paint and varnish containing organic solvents or other dangerous substances
 20 01 27 * paint, inks, adhesives and resins containing dangerous substances

14 - TRANSPORT INFORMATION

IMDG	Class	2°Label	Pack gr.	LQ	EMS	Provis.	EQ			
	3	-	III	309	60 L	310	320 L	A3	-	-
	3	-	III	Y309	40 L	-	-	A3	-	-
	3	-	III	309	60 L	310	220 L	A3	A72	E1
	3	-	III	Y309	10 L	-	-	A3	A72	E1

15 - REGULATORY INFORMATION

This preparation was classified in compliance with the directive known as ~~All preparations~~ 1999/45/EC and its adaptations in addition directive 2008/49/EC with the 30th adaptation of directive 67/548/EEC (Hazardous substances) has been taken into account.

Classification by:

So called 'all preparations' Directive 1999/45/EC and its adaptations.
 EC regulation 1272/2008 (CLP) and its adaptations (EC regulation 790/2009).

16 - OTHER INFORMATION

Full text of risk phrases appearing in section 3:

R 38	Irritating to skin.
R 53	May cause long-term adverse effects in the aquatic environment.
R 67	Vapours may cause drowsiness and dizziness.