

SAFETY DATA SHEET (SDS)



Jacquard Products
 Manufactured by Rupert, Gibbon & Spider, Inc.
 P.O. Box 425 | Healdsburg, CA 95448
 800.442.0455 | Fax: 707.433.4906
 www.jacquardproducts.com

27103-3129

Pearl Ex Powdered Pigment - 640 Carbon Black - Pg 1

Revision Date: 05/15/18

SECTION 1 - CHEMICAL, PRODUCT & COMPANY INFORMATION

Product Name:	PEARL EX POWDERED PIGMENT	
Product Number/Code:	640 CARBON BLACK	
Recommended Use:	Artist pigment	
Restrictions on use:	None known	
Manufacturer:	Rupert, Gibbon & Spider, Inc. 1147 Healdsburg Ave. Healdsburg, CA 95448 1-800-442-0455 / 707-433-9577	
Emergency Number:	ChemTel, Inc. - Contract #MIS9128344	
	North America: 1-800-255-3924	International: 1-813-248-0585

SECTION 2 - HAZARD(S) IDENTIFICATION

This product is not considered to be or contain hazardous chemicals based on evaluations made by our company under the OSHA Hazard Communication Standard, reference 29 CFR 1910.1200.	
Toxicological Data on Ingredients:	
Hazard Classification	Not hazardous
Physical Hazards:	Not classified
Health Hazards:	Not classified
Environmental Hazards:	Not classified
Label Elements	
Pictogram:	None
Signal Words:	None
Hazard Statements-EU:	The mixture does not meet the criteria for classification.
Precautionary Statements-EU:	
Prevention:	P260 Do not breathe dust. Provide adequate information, instruction and training for operators.
Response:	See sections 4, 5 & 6
Storage:	See section 7
Disposal:	See section 13
Hazard(s) not otherwise classified:	None known

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SECTION 3 - COMPOSITION / INFORMATION ON INGREDIENTS

Chemical nature:	Mica coated with: titanium dioxide, ferric oxide	
Chemical identity	Content in percent (%)*	CAS #
Mica (muscovite)	>= 30% - < 50%	12001-26-2
Titanium (IV) oxide	>= 5% - < 10%	13463-67-7
<i>Exact percentages withheld as a trade secret.</i>		

SECTION 4 - FIRST AID MEASURES

Description of first aid measures:	
In the event of skin contact:	Take off immediately all contaminated clothing. Rinse skin with water/shower.
In the event of eye contact:	Rinse out with plenty of water.
In the event of swallowing:	Make victim drink water (two glasses at most). Consult doctor if feeling unwell. Never give anything by mouth to an unconscious person.
In the event of exposure by inhalation:	Fresh air.
Most important symptoms and effects, acute and delayed:	We have no description of any toxic symptoms.
Indication of any immediate medical attention and special treatment needed:	No information available.

SECTION 5 - FIREFIGHTING MEASURES

Suitable extinguishing media:	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Unsuitable extinguishing media:	For this substance/mixture no limitations of extinguishing agents are given.
Special hazards arising from the substance or mixture:	Not combustible. Ambient fire may liberate hazardous vapors.
Advice for fire fighters:	In the event of fire, wear self-contained breathing apparatus.
Further information:	None

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures:	Advice for non-emergency personnel: Avoid inhalation of dusts. Evacuate the danger area, observe emergency procedures, consult an expert.
Methods and material for containment and clean up:	Observe possible material restrictions (see sections 7 and 10). Take up dry. Dispose of properly. Clean up affected area. Avoid generation of dusts.
Environmental procedures:	No special precautionary measures necessary.
Reference to other sections:	Protective equipment: see section 8.

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SECTION 7 - HANDLING AND STORAGE

Precautions for safe handling:	Observe label precautions.
Conditions for safe storage including any incompatibilities:	Tightly closed. Dry. Storage temperature: no restrictions.

SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure limit(s):			
Basis:	Value:	Threshold limits:	Remarks:
General threshold limit value for dust:			
Z1A	Time Weighted Average (TWA):	5 mg/m ³	Form of exposure: Respirable fraction.
	Time Weighted Average (TWA):	15 mg/m ³	Form of exposure: Total dust.
	Time Weighted Average (TWA):	50 millions of particles per cubic foot of air	Form of exposure: Total dust.
	Time Weighted Average (TWA):	15 millions of particles per cubic foot of air	Form of exposure: Respirable fraction.
	Time Weighted Average (TWA):	15 mg/m ³	Form of exposure: Total dust.
	Time Weighted Average (TWA):	5 mg/m ³	Form of exposure: Respirable fraction.
OSHA_TRANS	PEL:	5 mg/m ³	Form of exposure: Respirable fraction.
	PEL:	15 mg/m ³	Form of exposure: Total dust.
ACGIH	Time Weighted Average (TWA):	10 mg/m ³	Form of exposure: Inhalable particles.
	Time Weighted Average (TWA):	3 mg/m ³	Form of exposure: Respirable particles.
mica (muscovite) 12001-26-2:			
ACGIH	Time Weighted Average (TWA):	3 mg/m ³	Form of exposure: Respirable fraction.
NIOSH/GUIDE	Recommended Exposure Limit (REL):	3 mg/m ³	Form of exposure: Respirable.
Z1A	Time Weighted Average (TWA):	3 mg/m ³	Form of exposure: Respirable Dust.
	Time Weighted Average (TWA):	20 millions of particles per cubic foot of air	
Titanium (IV) oxide 13463-67-7:			
ACGIH	Time Weighted Average (TWA):	10 mg/m ³	
OSHA_TRANS	PEL:	15 mg/m ³	Form of exposure: Total Dust.
Z1A	Time Weighted Average (TWA):	10 mg/m ³	Form of exposure: Total Dust.

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SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

Control parameters:	
Appropriate engineering controls:	Technical measures and appropriate working operations should be given priority over the use of personal protective equipment.
Individual protection measures, such as personal protective equipment:	
Hygiene measures:	Change contaminated clothing. Wash hands after working with substance.
Eye/face protection:	Safety glasses
Skin protection:	Protective clothing should be selected specifically for the workplace, depending on concentration and quantity of the hazardous substances handled. The chemical resistance of the protective equipment should be inquired at the respective supplier.
Hand protection:	Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.
Respiratory protection:	Required when dusts are generated. Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

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SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

General information:	
Appearance and physical state:	Powder
Color:	Black
Type of Odor:	Odorless
Odor threshold:	Not applicable
Important health, safety and environmental information:	
Initial Boiling Point and Boiling Range:	Not applicable
Melting Point/Freezing Point:	No information available.
Flammability Classification:	The product is not flammable.
Flash Point:	Not applicable
Auto-ignition Temperature:	Not applicable
Decomposition Temperature:	Not applicable
Flammability Limits (lower/upper):	Not applicable
Evaporation rate:	No information available.
Vapor Pressure:	Not applicable
Vapor Density (Air=1):	3.5 - 3.7 g/cm ³ at 68°F (20°C)
Particle size:	10.0 - 60.0 µm
Octanol/Water Partition Coefficient (log Pow):	Not applicable
Specific Gravity:	No information available
Bulk Density:	300 - 340 kg/m ³
Water Solubility:	at 68°F (20°C) practically insoluble
pH:	7.0 - 10.0 at 100 g/l 77°F (25°C) (slurry)
Viscosity:	Not applicable
Explosive Properties:	Not classified as explosive.
Oxidizing Properties:	None
Molecular Formula:	No information available
Molecular Weight:	No information available
Relative Density:	No information available

SECTION 10 - STABILITY AND REACTIVITY

Reactivity:	See below.
Stability:	The product is chemically stable under standard ambient conditions (room temperature).
Possibility of hazardous reactions:	No information available.
Conditions to avoid:	No information available.
Incompatible materials:	No information available.
Hazardous decomposition products:	No information available.

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SECTION II - TOXICOLOGICAL INFORMATION

Information on toxicological effects:		
Acute toxicity (list all possible routes of exposure)		
Acute Oral Toxicity:	LD## (oral, rat): Not determinable; all animals still alive after 15,000 mg/kg. Mica (muscovite): no information available. Titanium (IV) oxide: Acute oral toxicity: LD50 Rat: > 10,000 mg/kg (external SDS)	
Subchronic Toxicity:	(Rat): no appreciable findings up to 50,000 ppm.	
Chronic Toxicity:	(Rat): 5 % of the product added to the feed for a period of 2.5 years did not show any toxicological changes or carcinogenic effects in animals.	
Genotoxic Effects:	The product did not show any genotoxic effects in the micronucleus test carried out in rats in concentrations of up to 2000 mg/kg (limit test).	
Acute Inhalation Toxicity:	LC50 (rat): male animals: between 4.6 and 14.9 mg/l air; female animals: > 14.9 mg/l air.	
Skin Corrosion/Irritation:	Skin tolerance (rabbit): no irritant effect (IUCLID)	
Serious Eye Damage / Eye Irritation:	Eye irritation test (rabbit): no irritant effect (IUCLID)	
Respiratory or Skin Sensitization:	Sensitization test (guinea pig): no sensitizing potential	
Germ Cell Mutagenicity:	No information available.	
Carcinogenicity:	IARC:	Group 2B: Possibly carcinogenic to humans Titanium (IV) oxide 13463-67-7
	OSHA:	No ingredient of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.
	NTP:	No ingredient of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.
	ACGIH:	No ingredient of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.
Likely route of exposure:	Inhalation, eye contact, skin contact, ingestion	
Target organs:	Respiratory system	
Specific Target Organ Toxicity - single exposure (STOT-se):	The substance or mixture is not classified as specific target organ toxicant, single exposure.	
Specific Target Organ Toxicity - repeated exposure (STOT-re):	The substance or mixture is not classified as specific target organ toxicant, repeated exposure.	
Aspiration Hazard:	Regarding the available data the classification criteria are not classified.	

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Potential Health Effects:

Additional Data:

Handle in accordance with good industrial hygiene and safety practice.

The results of animal experiments using pigments of this type indicate no toxicologically relevant properties. Since the substance is poorly absorbed, no hazardous properties are to be anticipated. Inhalation of the dusts should be avoided as even inert dusts may impair respiratory organ functions.

SECTION 12 - ECOLOGICAL INFORMATION

Toxicity:

Ecotoxicity:

No information available.

Persistence and degradability:

No information available.

Bioaccumulative potential:

No information available.
Partition coefficient: n-octanol/water: not applicable

Mobility in soil:

No information available.

Titanium (IV) oxide:

Toxicity to fish:
LC0 Leuciscus idus (Golden orfe): > 1,000 mg/l (external SDS)
Toxicity to bacteria:
EC0 Pseudomonas fluorescens: > 5,000 mg/l (external SDS)

SECTION 13 - DISPOSAL CONSIDERATIONS

Waste treatment methods:

Disposal:

The information presented only applies to the material as supplied. The identification based on characteristic(s) or listing may not apply if the material has been used or otherwise contaminated. It is the responsibility of the waste generator to determine the toxicity and physical properties of the material generated to determine the proper waste identification and disposal methods in compliance with applicable regulations. Disposal should be in accordance with applicable regional, national and local laws and regulations.

SECTION 14 - TRANSPORT INFORMATION

General Information:

The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, DOT).

UN number:

Not relevant

UN proper shipping name:

Not relevant

Transport hazard class:

Not relevant

Packing group:

Not relevant

Environmental Hazards:

Environmentally hazardous substance:

No

Special precautions for user:

Not relevant

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SECTION 15 - REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture:	
US Regulations	
SARA 313:	This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.
SARA 302:	No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.
Clean Water Act:	This product does not contain any Hazardous Substances listed under the U.S. Clean Water Act, Section 311, Table 116.4A. This product does not contain any Hazardous Chemicals listed under the U.S. Clean Water Act, Section 311, Table 117.3.
DEA List I:	Not listed
DEA List II:	Not listed
US State Regulations	
Massachusetts Right-to-Know:	Ingredients: mica (muscovite), Titanium (IV) oxide
Pennsylvania Right-to-Know:	Ingredients: mica (muscovite), Titanium (IV) oxide
New Jersey Right-to-Know:	Ingredients: mica (muscovite), Titanium (IV) oxide
California Prop 65 Components:	Used as directed, this product will NOT expose you to chemicals known to cause cancer. Reference to Titanium (IV) oxide is based on unbound respirable particles and is not generally applicable to product as supplied. The Titanium (IV) oxide in Pearl Ex Powdered Pigments is bound to mica, and the particle size is too large to be considered respirable. <i>Ingredients: Titanium (IV) oxide</i>
Notification status	
TSCA:	All components of the product are listed in the TSCA inventory.
DSL:	All components of this product are on the Canadian DSL.
Korea:	Not in compliance with the inventory.

SECTION 16 - OTHER INFORMATION

HMIS Hazard ID:	
Health:	No information available
Flammability:	No information available
Reactivity:	No information available
Hazard rating: 0 - Minimal; 1 - Slight; 2 - Moderate; 3 - Serious; 4 - Severe; *Chronic health effect	

Disclaimer:

The information contained in this SDS is based on data from sources considered to be reliable but Rupert, Gibbon & Spider, Inc. does not guarantee the accuracy or completeness thereof. Rupert, Gibbon & Spider, Inc. urges each customer or recipient of this SDS to study it carefully to become aware of and understand the hazards associated with this product. The reader should consider consulting reference works or individuals who are experts in ventilation, toxicology or fire and understand the data in this SDS.

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Abbreviations:	
ACGIH	American Conference of Governmental Industrial Hygienists
ADR	International carriage of Dangerous goods by Road
AICS	Australian Inventory of Chemical Substances
ATE	Acute Toxicity Estimate
BfR	Bundesinstitut für Risikobewertung recommendations for food contact materials
BCF	Bioconcentration Factor
BOD5	5-day Biochemical Oxygen Demand
CERCLA	Comprehensive Environmental Response, Compensation and Liability Act
CLP	Classification, Labeling and Packaging regulation
COD	Chemical Oxygen Demand DOT Department of Transportation DSL Domestic Substances List
EINECS	European Inventory of Existing Chemical Substances
ECL	Existing Chemicals List (Korea)
ENCS	Existing and New Chemical Substances Inventory (Japan)
EN 689	Workplace atmospheres - Guidance for the assessment of exposure by inhalation to chemical agents for comparison with limit values and measurement strategy.
ERG	Emergency Response Guide
GHS	Globally Harmonized System
HMIS	Hazardous Materials Information System IARC International Agency for Research on Cancer IATA International Air Transport Association
ICAO	International Civil Aviation Organization IDLH Immediately Dangerous to Life and Health IMDG International Maritime Dangerous Goods
LD50	Lethal Dose to 50% of test animal population
MAK	Maximale Arbeitsplatz Konzentration
NTP	National Toxicology Program
OEL	Occupational Exposure Limit
OSHA	Occupational Safety & Health Administration
PBT	Persistent, Bioaccumulative and Toxic vPvB Very Persistent and Very Bioaccumulative PEL Permissible exposure limit
PICCS	Philippine Inventory of Commercial Chemical Substances
PNEC	Predicted No Effect Concentration
REACH	Registration, Evaluation and Authorization of Chemical Substances
RID	International carriage of dangerous goods by Rail SARA Superfund Amendments and Reauthorization Act STEL Short Term Exposure Limit
SVHC	Substance of Very High Concern
TLV	Threshold Limit Value
TSCA	Toxic Substances Control Act
TWA	Time Weighted Average
VOC	Volatile Organic Compound
WGK	Wassergefährdungsklasse (Water Hazard Class) WHMIS Workplace Hazardous Material Identification System



SAFETY DATA SHEET
According to Regulation (EC) No.1907/2006
Revision Date 5/6/2015

Product code: Pearl Ex #641 Pumpkin Orange

Version 1.0-2015

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/ UNDERTAKING**1.1 Product Identifier**

Trade name: Pearl Ex #641 Pumpkin Orange

Trade code: #641

CAS number: 12001-26-2/13463-67-7/6358-30-1

1.2 Relevant identified uses of the substance/mixture and uses advised against

Identified uses: Coloring agent

1.3 Details of the supplier of the safety data sheet

Company Name: Rupert, Gibbon & Spider, Inc.

Address: 1147 Healdsburg Avenue CA, 95448

Telephone: 800-442-0455

1.4 Emergency telephone number

Telephone companies: Poison Control 800-222-1222

2. HAZARDS IDENTIFICATION**2.1 Classification of the substance or mixture**

This substance is not classified as dangerous according to European Union Legislation.

2.2 Label elements**Directive criteria, 67/548/CE, 99/45/EC and following amendments thereof:**

Properties / Symbols: S-phrases) 22 Do not breathe dust.

EC regulation criteria 1272/2008 (CLP):

Precautionary statements: P260 Do not breathe dust.

No special labeling needed.

2.3 Other hazards

None known.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Mixtures

Ingredients	Chemical Name	CAS No.	CI Name	Weight in Percentage (%)
Mica	Mica	12001-26-2	CI 77019	45 ~ 55
TiO ₂	Titanium dioxide	13463-67-7	CI 77891	45 ~ 53
Pigment Violet 23	Pigment Violet 23	6358-30-1	CI 51319	≤ 2

No components that are liable to disclose according to Regulation (EC) No.1907/2006.

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4. FIRST AID MEASURES

4.1 Description of first aid measures

In case of skin contact: Wash off with soap and plenty of water.

In case of eyes contact: Immediately flush with plenty of water about 15 minutes.

If discomfort persists, get medical aid.

In case of Ingestion: If victim is induce vomiting, give 2-4 cupfuls of water, get medical aid.

In case of Inhalation: Move person to fresh air. Consult doctor in the event of any complaints.

4.2 Most important symptoms and effects, both acute and delayed

We have no description of any toxic symptoms.

4.3 Indication of any immediate medical attention and special treatment needed

No information available.

5. FIRE-FIGHTING MEASURES

5.1 Extinguishing media

Use extinguishing measures that are in accordance with the local regulations.

For this substance/mixture no limitations of extinguishing agents are given.

5.2 Special hazards arising from the substance or mixture

Not combustible.

Ambient fire may liberate hazardous vapours.

5.3 Advice for fire-fighters

IN the event of fire, wear self-contained breathing apparatus.

Prevent fire extinguishing water from contaminating surface water or the ground water system.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

See protective measures under point 7 and 8.

6.2 Environmental precautions

Don't let product enter drains.

6.3 Methods and material for containment and cleaning up

Cover drains. Collect, bind, and pump off spills.

Observe possible material restrictions (see sections 7.2 and 10.5).

Take up dry. Dispose of properly. Clean up affected area. Avoid generation of dusts.

6.4 Reference to other sections

See also section 8 and 13.

7. HANDLING AND STORAGE

7.1 Precautions for safe handling:

Prevent formation of dust



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Any unavoidable deposit of dust must be regularly removed.

7.2 Conditions for safe storage, including any incompatibilities

Store in a cool and dry, keep packages closed, location away from other material

7.3 Specific end use(s)

Apart from the uses mentioned in section 1.2 no other specific use are stipulated.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

8.2 Exposure controls

Eye/face protection: Safety glasses.

Skin protection:

Hand protection: Not required.

Body protection: Protective work clothing.

Other protection: Protective clothing needs to be selected specifically for the workplace, depending on concentrations and quantities of the hazardous substances handled.

Hygiene measures: Change contaminated clothing. Wash hands after working with substance.

Respiratory protection:

Required when dusts are generated.

Recommended Filter type: Filter P 1 (acc. to DIN 3181) for solid particles of inert substances.

The entrepreneur has to ensure that maintenance, cleaning and testing of respiratory protective devices are carried out according to the instructions of the producer. These measures have to be properly documented.

Thermal Hazards: No information available.

Environmental exposure controls: Don't let product enter drains.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance:	Powder.
colour:	Pearlescent Orange Powder
Odour:	Odourless.
Odour threshold:	No information available.
pH:	5 ~ 9 (10% aqueous slurry).
Melting point:	No information available.
Boiling point:	No information available.
Solid/gas flammability:	No information available.
Lower explosive limit:	No information available.
Upper explosive limit:	No information available.
Vapour density:	No information available.
Flash point:	Not applicable.

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Evaporation rate:	No information available.
Vapour pressure:	No information available.
Relative density:	2.7 ~ 3.3 g/cm ³ .
Solubility in water:	Insoluble.
Lipid solubility:	Insoluble.
Partition coefficient (n-octanol/water):	No information available.
Auto-ignition temperature:	No information available.
Decomposition temperature:	No information available.
Viscosity:	No information available.
Explosive properties:	No information available.
Oxidizing properties:	No information available.
9.2 Other information	
Bulk density:	20 ~ 26 g/100ml.
Particle size:	10-60 µm.

10. STABILITY AND REACTIVITY**10.1 Reactivity**

No information available.

10.2 Chemical stability

Stable under standard ambient conditions(room temperature).

10.3 Possibility of hazardous reactions

No information available.

10.4 Conditions to avoid

Not known to date.

10.5 Incompatible materials

No information available.

10.6 Hazardous decomposition products

No information available.

11. TOXICOLOGICAL INFORMATION**11.1 Information on toxicological effects****Aspiration hazard**

Based on available data the classification criteria are not met.

Specific target organ toxicity – single exposure

The substance or mixture is not classified as specific target organ toxicant, single exposure.

Specific target organ toxicity – repeated exposure

The substance or mixture is not classified as specific target organ toxicant, repeated exposure.

11.2 Other information

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Quantitative data on the toxicity of this product are not available.
Hazardous properties can not be excluded, but are relatively improbable due to the compound's poor water solubility.
Our own experience has provided no indication of any hazardous potential.
Inhalation of the dusts should be avoided as even inert dusts may impair respiratory organ functions.

12. ECOLOGICAL INFORMATION

12.1 Toxicity

No information available.

12.2 Persistence and degradability

No information available.

12.3 Bioaccumulative potential

No information available.

12.4 Mobility in soil

No information available.

12.5 Results of PBT and vPvB assessment

PBT/vPvB assessment not available as chemical safety assessment not required/not conducted.

12.6 Other adverse effects

Discharge into the environment must be avoided.

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Waste material must be disposed of in accordance with the Directive on waste 2008/98/EC as well as other national and local regulations.

Leave chemicals in original containers. Do not mix with other waste.

14. TRANSPORT INFORMATION

14.1 Land transport (ADR/RID/GGVSE)

Not classified as dangerous in the meaning of transport regulations.

14.2 Sea transport(IMDG-Code/GGVSee)

Not classified as dangerous in the meaning of transport regulations.

14.3 Air transport (ICAO-IATA/DGR)

Not classified as dangerous in the meaning of transport regulations.

14.4 Special Precautions for User

No information available.

14.5 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not relevant.



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15. REGULATORY INFORMATION

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

EU regulations

Major Accident Hazard Legislation: Directive 96/82/EC does not apply.

National legislation

Storage class: 10 – 13.

15.2 Chemical Safety Assessment

For this product a chemical safety assessment was not carried out.

16. OTHER INFORMATION

16.1 Key or legend to abbreviations and acronyms used in the safety data sheet

Used abbreviations and acronyms can be looked up at www.wikipedia.org.

16.2 Training advice

Provide adequate information, instruction and training for operators.

The information contained herein is based on our state of knowledge at the above specified date. It refers solely to the product indicated and constitutes no guarantee of particular quality. It is the duty of the user to ensure that this information is appropriate and complete with respect to the specific use intended.

This SDS cancels and replaces any preceding release.



SAFETY DATA SHEET

According to Regulation (EC) No.1907/2006
Revision Date 5/6/2015

Product code: Pearl Ex #642 Salmon Pink

Version 1.0-2015

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/ UNDERTAKING

1.1 Product Identifier

Trade name: Pearl Ex #642 Salmon Pink

Trade code: #642

CAS number: 12001-26-2/13463-67-7/6448-95-9

1.2 Relevant identified uses of the substance/mixture and uses advised against

Identified uses: Coloring agent

1.3 Details of the supplier of the safety data sheet

Company Name: Rupert, Gibbon & Spider, Inc.

Address: 1147 Healdsburg Avenue CA, 95448

Telephone: 800-442-0455

1.4 Emergency telephone number

Telephone companies: Poison Control 800-222-1222

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

This substance is not classified as dangerous according to European Union Legislation.

2.2 Label elements

Directive criteria, 67/548/CE, 99/45/EC and following amendments thereof:

Properties / Symbols: S-phrase(s) 22 Do not breathe dust.

EC regulation criteria 1272/2008 (CLP):

Precautionary statements: P260 Do not breathe dust.

No special labeling needed.

2.3 Other hazards

None known.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Mixtures

Ingredients	Chemical Name	CAS No.	CI Name	Weight in Percentage (%)
Mica	Mica	12001-26-2	CI 77019	45 ~ 58
TiO ₂	Titanium dioxide	13463-67-7	CI 77891	42 ~ 50
Pigment red 22	Pigment red 22	6448-95-9	CI 12315	≤ 5

No components that are liable to disclose according to Regulation (EC) No.1907/2006.

Rupert, Gibbon & Spider, Inc.

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SAFETY DATA SHEET
According to Regulation (EC) No.1907/2006
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Product code: Pearl Ex #642 Salmon Pink

Version 1.0-2015

4. FIRST AID MEASURES

4.1 Description of first aid measures

In case of skin contact: Wash off with soap and plenty of water.

In case of eyes contact: Immediately flush with plenty of water about 15 minutes.

If discomfort persists, get medical aid.

In case of Ingestion: If victim is induce vomiting, give 2-4 cupfuls of water, get medical aid.

In case of Inhalation: Move person to fresh air. Consult doctor in the event of any complaints.

4.2 Most important symptoms and effects, both acute and delayed

We have no description of any toxic symptoms.

4.3 Indication of any immediate medical attention and special treatment needed

No information available.

5. FIRE-FIGHTING MEASURES

5.1 Extinguishing media

Use extinguishing measures that are in accordance with the local regulations.

For this substance/mixture no limitations of extinguishing agents are given.

5.2 Special hazards arising from the substance or mixture

Not combustible.

Ambient fire may liberate hazardous vapours.

5.3 Advice for fire-fighters

IN the event of fire, wear self-contained breathing apparatus.

Prevent fire extinguishing water from contaminating surface water or the ground water system.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

See protective measures under point 7 and 8.

6.2 Environmental precautions

Don't let product enter drains.

6.3 Methods and material for containment and cleaning up

Cover drains. Collect, bind, and pump off spills.

Observe possible material restrictions (see sections 7.2 and 10.5).

Take up dry. Dispose of properly. Clean up affected area. Avoid generation of dusts.

6.4 Reference to other sections

See also section 8 and 13.

7. HANDLING AND STORAGE

7.1 Precautions for safe handling:

Prevent formation of dust



SAFETY DATA SHEET

According to Regulation (EC) No.1907/2006
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Product code: Pearl Ex #642 Salmon Pink

Version 1.0-2015

Any unavoidable deposit of dust must be regularly removed.

7.2 Conditions for safe storage, including any incompatibilities

Store in a cool and dry, keep packages closed, location away from other material

7.3 Specific end use(s)

Apart from the uses mentioned in section 1.2 no other specific use are stipulated.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

8.2 Exposure controls

Eye/face protection: Safety glasses.

Skin protection:

Hand protection: Not required.

Body protection: Protective work clothing.

Other protection: Protective clothing needs to be selected specifically for the workplace, depending on concentrations and quantities of the hazardous substances handled.

Hygiene measures: Change contaminated clothing. Wash hands after working with substance.

Respiratory protection:

Required when dusts are generated.

Recommended Filter type: Filter P 1 (acc. to DIN 3181) for solid particles of inert substances.

The entrepreneur has to ensure that maintenance, cleaning and testing of respiratory protective devices are carried out according to the instructions of the producer. These measures have to be properly documented.

Thermal Hazards: No information available.

Environmental exposure controls: Don't let product enter drains.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance:	Powder.
colour:	Pearlescent Pink Powder
Odour:	Odourless.
Odour threshold:	No information available.
pH:	5 ~ 9 (10% aqueous slurry).
Melting point:	No information available.
Boiling point:	No information available.
Solid/gas flammability:	No information available.
Lower explosive limit:	No information available.
Upper explosive limit:	No information available.
Vapour density:	No information available.
Flash point:	Not applicable.

Rupert, Gibbon & Spider, Inc.

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SAFETY DATA SHEET

According to Regulation (EC) No.1907/2006
Revision Date 5/6/2015

Product code: Pearl Ex #642 Salmon Pink

Version 1.0-2015

Evaporation rate:	No information available.
Vapour pressure:	No information available.
Relative density:	2.5 ~ 3.1 g/cm ³ .
Solubility in water:	Insoluble.
Lipid solubility:	Insoluble.
Partition coefficient (n-octanol/water):	No information available.
Auto-ignition temperature:	No information available.
Decomposition temperature:	No information available.
Viscosity:	No information available.
Explosive properties:	No information available.
Oxidizing properties:	No information available.
9.2 Other information	
Bulk density:	18 ~ 26g/100ml.
Particle size:	10-60 µm.

10. STABILITY AND REACTIVITY

10.1 Reactivity

No information available.

10.2 Chemical stability

Stable under standard ambient conditions(room temperature).

10.3 Possibility of hazardous reactions

No information available.

10.4 Conditions to avoid

Not known to date.

10.5 Incompatible materials

No information available.

10.6 Hazardous decomposition products

No information available.

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Aspiration hazard

Based on available data the classification criteria are not met.

Specific target organ toxicity – single exposure

The substance or mixture is not classified as specific target organ toxicant, single exposure.

Specific target organ toxicity – repeated exposure

The substance or mixture is not classified as specific target organ toxicant, repeated exposure.

11.2 Other information

Rupert, Gibbon & Spider, Inc.

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**SAFETY DATA SHEET**

According to Regulation (EC) No.1907/2006
Revision Date 5/6/2015

Product code: Pearl Ex #642 Salmon Pink**Version 1.0-2015**

Quantitative data on the toxicity of this product are not available.
Hazardous properties can not be excluded, but are relatively improbable due to the compound's poor water solubility.
Our own experience has provided no indication of any hazardous potential.
Inhalation of the dusts should be avoided as even inert dusts may impair respiratory organ functions.

12. ECOLOGICAL INFORMATION**12.1 Toxicity**

No information available.

12.2 Persistence and degradability

No information available.

12.3 Bioaccumulative potential

No information available.

12.4 Mobility in soil

No information available.

12.5 Results of PBT and vPvB assessment

PBT/vPvB assessment not available as chemical safety assessment not required/not conducted.

12.6 Other adverse effects

Discharge into the environment must be avoided.

13. DISPOSAL CONSIDERATIONS**13.1 Waste treatment methods**

Waste material must be disposed of in accordance with the Directive on waste 2008/98/EC as well as other national and local regulations.

Leave chemicals in original containers. Do not mix with other waste.

14. TRANSPORT INFORMATION**14.1 Land transport (ADR/RID/GGVSE)**

Not classified as dangerous in the meaning of transport regulations.

14.2 Sea transport(IMDG-Code/GGVSee)

Not classified as dangerous in the meaning of transport regulations.

14.3 Air transport (ICAO-IATA/DGR)

Not classified as dangerous in the meaning of transport regulations.

14.4 Special Precautions for User

No information available.

14.5 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not relevant.

**SAFETY DATA SHEET**

According to Regulation (EC) No.1907/2006
Revision Date 5/6/2015

Product code: Pearl Ex #642 Salmon Pink**Version 1.0-2015****15. REGULATORY INFORMATION****15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture****EU regulations**

Major Accident Hazard Legislation: Directive 96/82/EC does not apply.

National legislation

Storage class: 10 - 13.

15.2 Chemical Safety Assessment

For this product a chemical safety assessment was not carried out.

16. OTHER INFORMATION**16.1 Key or legend to abbreviations and acronyms used in the safety data sheet**

Used abbreviations and acronyms can be looked up at www.wikipedia.org.

16.2 Training advice

Provide adequate information, instruction and training for operators.

The information contained herein is based on our state of knowledge at the above-specified date. It refers solely to the product indicated and constitutes no guarantee of particular quality. It is the duty of the user to ensure that this information is appropriate and complete with respect to the specific use intended.

This SDS cancels and replaces any preceding release.



SAFETY DATA SHEET

According to Regulation (EC) No.1907/2006
Revision Date 5/6/2015

Product code: Pearl Ex #643 Pink Gold

Version 1.0-2015

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/ UNDERTAKING

1.1 Product Identifier

Trade name: Pearl Ex #643 Pink Gold

Trade code: #643

CAS number: 12001-26-2/13463-67-7/6448-95-9

1.2 Relevant identified uses of the substance/mixture and uses advised against

Identified uses: Coloring agent

1.3 Details of the supplier of the safety data sheet

Company Name: Rupert, Gibbon & Spider, Inc.

Address: 1147 Healdsburg Avenue CA, 95448

Telephone: 800-442-0455

1.4 Emergency telephone number

Telephone companies: Poison Control 800-222-1222

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

This substance is not classified as dangerous according to European Union Legislation.

2.2 Label elements

Directive criteria, 67/548/CE, 99/45/EC and following amendments thereof:

Properties / Symbols: S-phrases) 22 Do not breathe dust.

EC regulation criteria 1272/2008 (CLP):

Precautionary statements: P260 Do not breathe dust.

No special labeling needed.

2.3 Other hazards

None known.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Mixtures

Ingredients	Chemical Name	CAS No.	CI Name	Weight in Percentage (%)
Mica	Mica	12001-26-2	CI 77019	45 ~ 58
TiO ₂	Titanium dioxide	13463-67-7	CI 77891	42 ~ 50
Pigment red 22	Pigment red 22	6448-95-9	CI 12315	≤ 5

No components that are liable to disclose according to Regulation (EC) No.1907/2006.

Rupert, Gibbon & Spider, Inc.

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SAFETY DATA SHEET

According to Regulation (EC) No.1907/2006
Revision Date 5/6/2015

Product code: Pearl Ex #643 Pink Gold

Version 1.0-2015

4. FIRST AID MEASURES

4.1 Description of first aid measures

In case of skin contact: Wash off with soap and plenty of water.

In case of eyes contact: Immediately flush with plenty of water about 15 minutes.

If discomfort persists, get medical aid.

In case of Ingestion: If victim is induce vomiting, give 2-4 cupfuls of water, get medical aid.

In case of Inhalation: Move person to fresh air. Consult doctor in the event of any complaints.

4.2 Most important symptoms and effects, both acute and delayed

We have no description of any toxic symptoms.

4.3 Indication of any immediate medical attention and special treatment needed

No information available.

5. FIRE-FIGHTING MEASURES

5.1 Extinguishing media

Use extinguishing measures that are in accordance with the local regulations.

For this substance/mixture no limitations of extinguishing agents are given.

5.2 Special hazards arising from the substance or mixture

Not combustible.

Ambient fire may liberate hazardous vapours.

5.3 Advice for fire-fighters

IN the event of fire, wear self-contained breathing apparatus.

Prevent fire extinguishing water from contaminating surface water or the ground water system.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

See protective measures under point 7 and 8.

6.2 Environmental precautions

Don't let product enter drains.

6.3 Methods and material for containment and cleaning up

Cover drains. Collect, bind, and pump off spills.

Observe possible material restrictions (see sections 7.2 and 10.5).

Take up dry. Dispose of properly. Clean up affected area. Avoid generation of dusts.

6.4 Reference to other sections

See also section 8 and 13.

7. HANDLING AND STORAGE

7.1 Precautions for safe handling:

Prevent formation of dust



SAFETY DATA SHEET

According to Regulation (EC) No.1907/2006
Revision Date 5/6/2015

Product code: Pearl Ex #643 Pink Gold

Version 1.0-2015

Any unavoidable deposit of dust must be regularly removed.

7.2 Conditions for safe storage, including any incompatibilities

Store in a cool and dry, keep packages closed, location away from other material

7.3 Specific end use(s)

Apart from the uses mentioned in section 1.2 no other specific use are stipulated.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

8.2 Exposure controls

Eye/face protection: Safety glasses.

Skin protection:

Hand protection: Not required.

Body protection: Protective work clothing.

Other protection: Protective clothing needs to be selected specifically for the workplace, depending on concentrations and quantities of the hazardous substances handled.

Hygiene measures: Change contaminated clothing. Wash hands after working with substance.

Respiratory protection:

Required when dusts are generated.

Recommended Filter type: Filter P 1 (acc. to DIN 3181) for solid particles of inert substances.

The entrepreneur has to ensure that maintenance, cleaning and testing of respiratory protective devices are carried out according to the instructions of the producer. These measures have to be properly documented.

Thermal Hazards: No information available.

Environmental exposure controls: Don't let product enter drains.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance:	Powder.
colour:	Pearlescent Pink Powder
Odour:	Odourless.
Odour threshold:	No information available.
pH:	5 ~ 9 (10% aqueous slurry).
Melting point:	No information available.
Boiling point:	No information available.
Solid/gas flammability:	No information available.
Lower explosive limit:	No information available.
Upper explosive limit:	No information available.
Vapour density:	No information available.
Flash point:	Not applicable.

Rupert, Gibbon & Spider, Inc.

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SAFETY DATA SHEET

According to Regulation (EC) No.1907/2006

Revision Date 5/6/2015

Product code: Pearl Ex #643 Pink Gold

Version 1.0-2015

Evaporation rate:	No information available.
Vapour pressure:	No information available.
Relative density:	2.5 ~ 3.1 g/cm ³ .
Solubility in water:	Insoluble.
Lipid solubility:	Insoluble.
Partition coefficient (n-octanol/water):	No information available.
Auto-ignition temperature:	No information available.
Decomposition temperature:	No information available.
Viscosity:	No information available.
Explosive properties:	No information available.
Oxidizing properties:	No information available.
9.2 Other information	
Bulk density:	18 ~ 26g/100ml.
Particle size:	10-60 µm.

10. STABILITY AND REACTIVITY

10.1 Reactivity

No information available.

10.2 Chemical stability

Stable under standard ambient conditions(room temperature).

10.3 Possibility of hazardous reactions

No information available.

10.4 Conditions to avoid

Not known to date.

10.5 Incompatible materials

No information available.

10.6 Hazardous decomposition products

No information available.

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Aspiration hazard

Based on available data the classification criteria are not met.

Specific target organ toxicity – single exposure

The substance or mixture is not classified as specific target organ toxicant, single exposure.

Specific target organ toxicity – repeated exposure

The substance or mixture is not classified as specific target organ toxicant, repeated exposure.

11.2 Other information

Rupert, Gibbon & Spider, Inc.

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**SAFETY DATA SHEET**

According to Regulation (EC) No.1907/2006
Revision Date 5/6/2015

Product code: Pearl Ex #643 Pink Gold

Version 1.0-2015

Quantitative data on the toxicity of this product are not available.
Hazardous properties can not be excluded, but are relatively improbable due to the compound's poor water solubility.
Our own experience has provided no indication of any hazardous potential.
Inhalation of the dusts should be avoided as even inert dusts may impair respiratory organ functions.

12. ECOLOGICAL INFORMATION**12.1 Toxicity**

No information available.

12.2 Persistence and degradability

No information available.

12.3 Bioaccumulative potential

No information available.

12.4 Mobility in soil

No information available.

12.5 Results of PBT and vPvB assessment

PBT/vPvB assessment not available as chemical safety assessment not required/not conducted.

12.6 Other adverse effects

Discharge into the environment must be avoided.

13. DISPOSAL CONSIDERATIONS**13.1 Waste treatment methods**

Waste material must be disposed of in accordance with the Directive on waste 2008/98/EC as well as other national and local regulations.

Leave chemicals in original containers. Do not mix with other waste.

14. TRANSPORT INFORMATION**14.1 Land transport (ADR/RID/GGVSE)**

Not classified as dangerous in the meaning of transport regulations.

14.2 Sea transport(IMDG-Code/GGVSee)

Not classified as dangerous in the meaning of transport regulations.

14.3 Air transport (ICAO-IATA/DGR)

Not classified as dangerous in the meaning of transport regulations.

14.4 Special Precautions for User

No information available.

14.5 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not relevant.

**SAFETY DATA SHEET**

According to Regulation (EC) No.1907/2006
Revision Date 5/6/2015

Product code: Pearl Ex #643 Pink Gold

Version 1.0-2015

15. REGULATORY INFORMATION**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture****EU regulations**

Major Accident Hazard Legislation: Directive 96/82/EC does not apply.

National legislation

Storage class: 10 - 13.

15.2 Chemical Safety Assessment

For this product a chemical safety assessment was not carried out.

16. OTHER INFORMATION**16.1 Key or legend to abbreviations and acronyms used in the safety data sheet**

Used abbreviations and acronyms can be looked up at www.wikipedia.org.

16.2 Training advice

Provide adequate information, instruction and training for operators.

The information contained herein is based on our state of knowledge at the above-specified date. It refers solely to the product indicated and constitutes no guarantee of particular quality. It is the duty of the user to ensure that this information is appropriate and complete with respect to the specific use intended.

This SDS cancels and replaces any preceding release.



SAFETY DATA SHEET

According to Regulation (EC) No.1907/2006
Revision Date 5/6/2015

Product code: Pearl Ex #644 Reflex Violet

Version 1.0-2015

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/ UNDERTAKING

1.1 Product Identifier

Trade name: Pearl Ex #644 Reflex Violet

Trade code: #644

CAS number: 12001-26-2/13463-67-7/6358-30-1

1.2 Relevant identified uses of the substance/mixture and uses advised against

Identified uses: Coloring agent

1.3 Details of the supplier of the safety data sheet

Company Name: Rupert, Gibbon & Spider, Inc.

Address: 1147 Healdsburg Avenue CA, 95448

Telephone: 800-442-0455

1.4 Emergency telephone number

Telephone companies: Poison Control 800-222-1222

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

This substance is not classified as dangerous according to European Union Legislation.

2.2 Label elements

Directive criteria, 67/548/CE, 99/45/EC and following amendments thereof:

Properties / Symbols: S-phrases) 22 Do not breathe dust.

EC regulation criteria 1272/2008 (CLP):

Precautionary statements: P260 Do not breathe dust.

No special labeling needed.

2.3 Other hazards

None known.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Mixtures

Ingredients	Chemical Name	CAS No.	CI Name	Weight in Percentage (%)
Mica	Mica	12001-26-2	CI 77019	44 ~ 55
TiO ₂	Titanium dioxide	13463-67-7	CI 77891	45 ~ 53
Pigment Violet 23	Pigment Violet 23	6358-30-1	CI 51319	≤ 3

No components that are liable to disclose according to Regulation (EC) No.1907/2006.

Rupert, Gibbon & Spider, Inc.

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**SAFETY DATA SHEET**

According to Regulation (EC) No.1907/2006
Revision Date 5/6/2015

Product code: Pearl Ex #644 Reflex Violet

Version 1.0-2015

4. FIRST AID MEASURES**4.1 Description of first aid measures**

In case of skin contact: Wash off with soap and plenty of water.

In case of eyes contact: Immediately flush with plenty of water about 15 minutes.

If discomfort persists, get medical aid.

In case of Ingestion: If victim is induce vomiting, give 2-4 cupfuls of water, get medical aid.

In case of Inhalation: Move person to fresh air. Consult doctor in the event of any complaints.

4.2 Most important symptoms and effects, both acute and delayed

We have no description of any toxic symptoms.

4.3 Indication of any immediate medical attention and special treatment needed

No information available.

5. FIRE-FIGHTING MEASURES**5.1 Extinguishing media**

Use extinguishing measures that are in accordance with the local regulations.

For this substance/mixture no limitations of extinguishing agents are given.

5.2 Special hazards arising from the substance or mixture

Not combustible.

Ambient fire may liberate hazardous vapours.

5.3 Advice for fire-fighters

IN the event of fire, wear self-contained breathing apparatus.

Prevent fire extinguishing water from contaminating surface water or the ground water system.

6. ACCIDENTAL RELEASE MEASURES**6.1 Personal precautions, protective equipment and emergency procedures**

See protective measures under point 7 and 8.

6.2 Environmental precautions

Don't let product enter drains.

6.3 Methods and material for containment and cleaning up

Cover drains. Collect, bind, and pump off spills.

Observe possible material restrictions (see sections 7.2 and 10.5).

Take up dry. Dispose of properly. Clean up affected area. Avoid generation of dusts.

6.4 Reference to other sections

See also section 8 and 13.

7. HANDLING AND STORAGE**7.1 Precautions for safe handling:**

Prevent formation of dust



SAFETY DATA SHEET

According to Regulation (EC) No.1907/2006
Revision Date 5/6/2015

Product code: Pearl Ex #644 Reflex Violet

Version 1.0-2015

Any unavoidable deposit of dust must be regularly removed.

7.2 Conditions for safe storage, including any incompatibilities

Store in a cool and dry, keep packages closed, location away from other material

7.3 Specific end use(s)

Apart from the uses mentioned in section 1.2 no other specific use are stipulated.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

8.2 Exposure controls

Eye/face protection: Safety glasses.

Skin protection:

Hand protection: Not required.

Body protection: Protective work clothing.

Other protection: Protective clothing needs to be selected specifically for the workplace, depending on concentrations and quantities of the hazardous substances handled.

Hygiene measures: Change contaminated clothing. Wash hands after working with substance.

Respiratory protection:

Required when dusts are generated.

Recommended Filter type: Filter P 1 (acc. to DIN 3181) for solid particles of inert substances.

The entrepreneur has to ensure that maintenance, cleaning and testing of respiratory protective devices are carried out according to the instructions of the producer. These measures have to be properly documented.

Thermal Hazards: No information available.

Environmental exposure controls: Don't let product enter drains.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance:	Powder.
colour:	Pearlescent Violet Powder
Odour:	Odourless.
Odour threshold:	No information available.
pH:	5 ~ 9 (10% aqueous slurry).
Melting point:	No information available.
Boiling point:	No information available.
Solid/gas flammability:	No information available.
Lower explosive limit:	No information available.
Upper explosive limit:	No information available.
Vapour density:	No information available.
Flash point:	Not applicable.

Rupert, Gibbon & Spider, Inc.

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SAFETY DATA SHEET

According to Regulation (EC) No.1907/2006
Revision Date 5/6/2015

Product code: Pearl Ex #644 Reflex Violet

Version 1.0-2015

Evaporation rate:	No information available.
Vapour pressure:	No information available.
Relative density:	2.7 ~ 3.3 g/cm ³ .
Solubility in water:	Insoluble.
Lipid solubility:	Insoluble.
Partition coefficient (n-octanol/water):	No information available.
Auto-ignition temperature:	No information available.
Decomposition temperature:	No information available.
Viscosity:	No information available.
Explosive properties:	No information available.
Oxidizing properties:	No information available.
9.2 Other information	
Bulk density:	20 ~ 26 g/100ml.
Particle size:	10-60 µm.

10. STABILITY AND REACTIVITY

10.1 Reactivity

No information available.

10.2 Chemical stability

Stable under standard ambient conditions(room temperature).

10.3 Possibility of hazardous reactions

No information available.

10.4 Conditions to avoid

Not known to date.

10.5 Incompatible materials

No information available.

10.6 Hazardous decomposition products

No information available.

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Aspiration hazard

Based on available data the classification criteria are not met.

Specific target organ toxicity – single exposure

The substance or mixture is not classified as specific target organ toxicant, single exposure.

Specific target organ toxicity – repeated exposure

The substance or mixture is not classified as specific target organ toxicant, repeated exposure.

11.2 Other information

Rupert, Gibbon & Spider, Inc.

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**SAFETY DATA SHEET**

According to Regulation (EC) No.1907/2006
Revision Date 5/6/2015

Product code: Pearl Ex #644 Reflex Violet

Version 1.0-2015

Quantitative data on the toxicity of this product are not available.
Hazardous properties can not be excluded, but are relatively improbable due to the compound's poor water solubility.
Our own experience has provided no indication of any hazardous potential.
Inhalation of the dusts should be avoided as even inert dusts may impair respiratory organ functions.

12. ECOLOGICAL INFORMATION**12.1 Toxicity**

No information available.

12.2 Persistence and degradability

No information available.

12.3 Bioaccumulative potential

No information available.

12.4 Mobility in soil

No information available.

12.5 Results of PBT and vPvB assessment

PBT/vPvB assessment not available as chemical safety assessment not required/not conducted.

12.6 Other adverse effects

Discharge into the environment must be avoided.

13. DISPOSAL CONSIDERATIONS**13.1 Waste treatment methods**

Waste material must be disposed of in accordance with the Directive on waste 2008/98/EC as well as other national and local regulations.

Leave chemicals in original containers. Do not mix with other waste.

14. TRANSPORT INFORMATION**14.1 Land transport (ADR/RID/GGVSE)**

Not classified as dangerous in the meaning of transport regulations.

14.2 Sea transport(IMDG-Code/GGVSee)

Not classified as dangerous in the meaning of transport regulations.

14.3 Air transport (ICAO-IATA/DGR)

Not classified as dangerous in the meaning of transport regulations.

14.4 Special Precautions for User

No information available.

14.5 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not relevant.

**SAFETY DATA SHEET**

According to Regulation (EC) No.1907/2006
Revision Date 5/6/2015

Product code: Pearl Ex #644 Reflex Violet

Version 1.0-2015

15. REGULATORY INFORMATION**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture****EU regulations**

Major Accident Hazard Legislation: Directive 96/82/EC does not apply.

National legislation

Storage class: 10 - 13.

15.2 Chemical Safety Assessment

For this product a chemical safety assessment was not carried out.

16. OTHER INFORMATION**16.1 Key or legend to abbreviations and acronyms used in the safety data sheet**

Used abbreviations and acronyms can be looked up at www.wikipedia.org.

16.2 Training advice

Provide adequate information, instruction and training for operators.

The information contained herein is based on our state of knowledge at the above-specified date. It refers solely to the product indicated and constitutes no guarantee of particular quality. It is the duty of the user to ensure that this information is appropriate and complete with respect to the specific use intended.

This SDS cancels and replaces any preceding release.



SAFETY DATA SHEET
According to Regulation (EC) No.1907/2006
Revision Date 5/6/2015

Product code: Pearl Ex #645 Grey Lavender

Version 1.0-2015

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/ UNDERTAKING

1.1 Product Identifier

Trade name: Pearl Ex #645 Grey Lavender

Trade code: #645

CAS number: 12001-26-2/13463-67-7/6448-95-9

1.2 Relevant identified uses of the substance/mixture and uses advised against

Identified uses: Coloring agent

1.3 Details of the supplier of the safety data sheet

Company Name: Rupert, Gibbon & Spider, Inc.

Address: 1147 Healdsburg Avenue CA, 95448

Telephone: 800-442-0455

1.4 Emergency telephone number

Telephone companies: Poison Control 800-222-1222

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

This substance is not classified as dangerous according to European Union Legislation.

2.2 Label elements

Directive criteria, 67/548/CE, 99/45/EC and following amendments thereof:

Properties / Symbols: S-phrases) 22 Do not breathe dust.

EC regulation criteria 1272/2008 (CLP):

Precautionary statements: P260 Do not breathe dust.

No special labeling needed.

2.3 Other hazards

None known.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Mixtures

Ingredients	Chemical Name	CAS No.	CI Name	Weight in Percentage (%)
Mica	Mica	12001-26-2	CI 77019	68 ~ 78
TiO ₂	Titanium dioxide	13463-67-7	CI 77891	22 ~ 30
Pigment Red 22	Pigment Red 22	6448-95-9	CI 12315	≤2

No components that are liable to disclose according to Regulation (EC) No.1907/2006.

Rupert, Gibbon & Spider, Inc.



SAFETY DATA SHEET

According to Regulation (EC) No.1907/2006
Revision Date 5/6/2015

Product code: Pearl Ex #645 Grey Lavender

Version 1.0-2015

4. FIRST AID MEASURES

4.1 Description of first aid measures

In case of skin contact: Wash off with soap and plenty of water.

In case of eyes contact: Immediately flush with plenty of water about 15 minutes.

If discomfort persists, get medical aid.

In case of Ingestion: If victim is induce vomiting, give 2-4 cupfuls of water, get medical aid.

In case of Inhalation: Move person to fresh air. Consult doctor in the event of any complaints.

4.2 Most important symptoms and effects, both acute and delayed

We have no description of any toxic symptoms.

4.3 Indication of any immediate medical attention and special treatment needed

No information available.

5. FIRE-FIGHTING MEASURES

5.1 Extinguishing media

Use extinguishing measures that are in accordance with the local regulations.

For this substance/mixture no limitations of extinguishing agents are given.

5.2 Special hazards arising from the substance or mixture

Not combustible.

Ambient fire may liberate hazardous vapours.

5.3 Advice for fire-fighters

IN the event of fire, wear self-contained breathing apparatus.

Prevent fire extinguishing water from contaminating surface water or the ground water system.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

See protective measures under point 7 and 8.

6.2 Environmental precautions

Don't let product enter drains.

6.3 Methods and material for containment and cleaning up

Cover drains. Collect, bind, and pump off spills.

Observe possible material restrictions (see sections 7.2 and 10.5).

Take up dry. Dispose of properly. Clean up affected area. Avoid generation of dusts.

6.4 Reference to other sections

See also section 8 and 13.

7. HANDLING AND STORAGE

7.1 Precautions for safe handling:

Prevent formation of dust

Rupert, Gibbon & Spider, Inc.



SAFETY DATA SHEET

According to Regulation (EC) No.1907/2006

Revision Date 5/6/2015

Product code: Pearl Ex #645 Grey Lavender

Version 1.0-2015

Any unavoidable deposit of dust must be regularly removed.

7.2 Conditions for safe storage, including any incompatibilities

Store in a cool and dry, keep packages closed, location away from other material

7.3 Specific end use(s)

Apart from the uses mentioned in section 1.2 no other specific use are stipulated.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

8.2 Exposure controls

Eye/face protection: Safety glasses.

Skin protection:

Hand protection: Not required.

Body protection: Protective work clothing.

Other protection: Protective clothing needs to be selected specifically for the workplace, depending on concentrations and quantities of the hazardous substances handled.

Hygiene measures: Change contaminated clothing. Wash hands after working with substance.

Respiratory protection:

Required when dusts are generated.

Recommended Filter type: Filter P 1 (acc. to DIN 3181) for solid particles of inert substances.

The entrepreneur has to ensure that maintenance, cleaning and testing of respiratory protective devices are carried out according to the instructions of the producer. These measures have to be properly documented.

Thermal Hazards: No information available.

Environmental exposure controls: Don't let product enter drains.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance:	Powder.
colour:	Pearlescent Purple Powder
Odour:	Odourless.
Odour threshold:	No information available.
pH:	5 ~ 9 (10% aqueous slurry).
Melting point:	No information available.
Boiling point:	No information available.
Solid/gas flammability:	No information available.
Lower explosive limit:	No information available.
Upper explosive limit:	No information available.
Vapour density:	No information available.
Flash point:	Not applicable.

Rupert, Gibbon & Spider, Inc.



SAFETY DATA SHEET

According to Regulation (EC) No.1907/2006

Revision Date 5/6/2015

Product code: Pearl Ex #645 Grey Lavender

Version 1.0-2015

Evaporation rate:	No information available.
Vapour pressure:	No information available.
Relative density:	2.7 ~ 3.3g/cm ³ .
Solubility in water:	Insoluble.
Lipid solubility:	Insoluble.
Partition coefficient (n-octanol/water):	No information available.
Auto-ignition temperature:	No information available.
Decomposition temperature:	No information available.
Viscosity:	No information available.
Explosive properties:	No information available.
Oxidizing properties:	No information available.
9.2 Other information	
Bulk density:	20 ~ 26 g/100ml.
Particle size:	10-60 µm.

10. STABILITY AND REACTIVITY

10.1 Reactivity

No information available.

10.2 Chemical stability

Stable under standard ambient conditions(room temperature).

10.3 Possibility of hazardous reactions

No information available.

10.4 Conditions to avoid

Not known to date.

10.5 Incompatible materials

No information available.

10.6 Hazardous decomposition products

No information available.

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Aspiration hazard

Based on available data the classification criteria are not met.

Specific target organ toxicity – single exposure

The substance or mixture is not classified as specific target organ toxicant, single exposure.

Specific target organ toxicity – repeated exposure

The substance or mixture is not classified as specific target organ toxicant, repeated exposure.

11.2 Other information

Rupert, Gibbon & Spider, Inc.



SAFETY DATA SHEET
According to Regulation (EC) No.1907/2006
Revision Date 5/6/2015

Product code: Pearl Ex #645 Grey Lavender

Version 1.0-2015

Quantitative data on the toxicity of this product are not available.
Hazardous properties can not be excluded, but are relatively improbable due to the compound's poor water solubility.
Our own experience has provided no indication of any hazardous potential.
Inhalation of the dusts should be avoided as even inert dusts may impair respiratory organ functions.

12. ECOLOGICAL INFORMATION

12.1 Toxicity

No information available.

12.2 Persistence and degradability

No information available.

12.3 Bioaccumulative potential

No information available.

12.4 Mobility in soil

No information available.

12.5 Results of PBT and vPvB assessment

PBT/vPvB assessment not available as chemical safety assessment not required/not conducted.

12.6 Other adverse effects

Discharge into the environment must be avoided.

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Waste material must be disposed of in accordance with the Directive on waste 2008/98/EC as well as other national and local regulations.

Leave chemicals in original containers. Do not mix with other waste.

14. TRANSPORT INFORMATION

14.1 Land transport (ADR/RID/GGVSE)

Not classified as dangerous in the meaning of transport regulations.

14.2 Sea transport(IMDG-Code/GGVSee)

Not classified as dangerous in the meaning of transport regulations.

14.3 Air transport (ICAO-IATA/DGR)

Not classified as dangerous in the meaning of transport regulations.

14.4 Special Precautions for User

No information available.

14.5 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not relevant.

Rupert, Gibbon & Spider, Inc.

**SAFETY DATA SHEET**

According to Regulation (EC) No.1907/2006
Revision Date 5/6/2015

Product code: Pearl Ex #645 Grey Lavender

Version 1.0-2015

15. REGULATORY INFORMATION**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture****EU regulations**

Major Accident Hazard Legislation: Directive 96/82/EC does not apply.

National legislation

Storage class: 10 – 13.

15.2 Chemical Safety Assessment

For this product a chemical safety assessment was not carried out.

16. OTHER INFORMATION

16.1 Key or legend to abbreviations and acronyms used in the safety data sheet

Used abbreviations and acronyms can be looked up at www.wikipedia.org.

16.2 Training advice

Provide adequate information, instruction and training for operators.

The information contained herein is based on our state of knowledge at the above-specified date. It refers solely to the product indicated and constitutes no guarantee of particular quality. It is the duty of the user to ensure that this information is appropriate and complete with respect to the specific use intended.

This SDS cancels and replaces any preceding release.

Rupert, Gibbon & Spider, Inc.



SAFETY DATA SHEET
 According to Regulation (EC) No.1907/2006
 Revision Date 5/6/2015

Product code: Pearl Ex #646 Mink

Version 1.0-2015

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/ UNDERTAKING**1.1 Product Identifier**

Trade name: Pearl Ex #646 Mink

Trade code: #646

CAS number: 12001-26-2/1309-37-1

1.2 Relevant identified uses of the substance/mixture and uses advised against

Identified uses: Coloring agent

1.3 Details of the supplier of the safety data sheet

Company Name: Rupert, Gibbon & Spider, Inc.

Address: 1147 Healdsburg Avenue CA, 95448

Telephone: 800-442-0455

1.4 Emergency telephone number

Telephone companies: Poison Control 800-222-1222

2. HAZARDS IDENTIFICATION**2.1 Classification of the substance or mixture**

This substance is not classified as dangerous according to European Union Legislation.

2.2 Label elements**Directive criteria, 67/548/CE, 99/45/EC and following amendments thereof:**

Properties / Symbols: S-phrases) 22 Do not breathe dust.

EC regulation criteria 1272/2008 (CLP):

Precautionary statements: P260 Do not breathe dust.

No special labeling needed.

2.3 Other hazards

None known.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Mixtures

Ingredients	Chemical Name	CAS No.	CI Name	Weight in Percentage (%)
Mica	Mica	12001-26-2	CI 77019	40 ~ 48
Fe ₂ O ₃	Diiron Trioxide	1309-37-1	CI 77491	52 ~ 60

No components that are liable to disclose according to Regulation (EC) No.1907/2006.

Rupert, Gibbon & Spider, Inc.

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SAFETY DATA SHEET

According to Regulation (EC) No.1907/2006
Revision Date 5/6/2015

Product code: Pearl Ex #646 Mink

Version 1.0-2015

4. FIRST AID MEASURES

4.1 Description of first aid measures

In case of skin contact: Wash off with soap and plenty of water.

In case of eyes contact: Immediately flush with plenty of water about 15 minutes.

If discomfort persists, get medical aid.

In case of Ingestion: If victim is induce vomiting, give 2-4 cupfuls of water, get medical aid.

In case of Inhalation: Move person to fresh air. Consult doctor in the event of any complaints.

4.2 Most important symptoms and effects, both acute and delayed

We have no description of any toxic symptoms.

4.3 Indication of any immediate medical attention and special treatment needed

No information available.

5. FIRE-FIGHTING MEASURES

5.1 Extinguishing media

Use extinguishing measures that are in accordance with the local regulations.

For this substance/mixture no limitations of extinguishing agents are given.

5.2 Special hazards arising from the substance or mixture

Not combustible.

Ambient fire may liberate hazardous vapours.

5.3 Advice for fire-fighters

IN the event of fire, wear self-contained breathing apparatus.

Prevent fire extinguishing water from contaminating surface water or the ground water system.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

See protective measures under point 7 and 8.

6.2 Environmental precautions

Don't let product enter drains.

6.3 Methods and material for containment and cleaning up

Cover drains. Collect, bind, and pump off spills.

Observe possible material restrictions (see sections 7.2 and 10.5).

Take up dry. Dispose of properly. Clean up affected area. Avoid generation of dusts.

6.4 Reference to other sections

See also section 8 and 13.

7. HANDLING AND STORAGE

7.1 Precautions for safe handling:

Prevent formation of dust

Rupert, Gibbon & Spider, Inc.

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SAFETY DATA SHEET

According to Regulation (EC) No.1907/2006
Revision Date 5/6/2015

Product code: Pearl Ex #646 Mink

Version 1.0-2015

Any unavoidable deposit of dust must be regularly removed.

7.2 Conditions for safe storage, including any incompatibilities

Store in a cool and dry, keep packages closed, location away from other material.

7.3 Specific end use(s)

Apart from the uses mentioned in section 1.2 no other specific use are stipulated.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

8.2 Exposure controls

Eye/face protection: Safety glasses.

Skin protection:

Hand protection: Not required.

Body protection: Protective work clothing.

Other protection: Protective clothing needs to be selected specifically for the workplace, depending on concentrations and quantities of the hazardous substances handled.

Hygiene measures: Change contaminated clothing. Wash hands after working with substance.

Respiratory protection:

Required when dusts are generated.

Recommended Filter type: Filter P 1 (acc. to DIN 3181) for solid particles of inert substances.

The entrepreneur has to ensure that maintenance, cleaning and testing of respiratory protective devices are carried out according to the instructions of the producer. These measures have to be properly documented.

Thermal Hazards: No information available.

Environmental exposure controls: Don't let product enter drains.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance:	Powder.
colour:	Pearlescent Brown Powder
Odour:	Odourless.
Odour threshold:	No information available.
pH:	5 ~ 9 (10% aqueous slurry).
Melting point:	No information available.
Boiling point:	No information available.
Solid/gas flammability:	No information available.
Lower explosive limit:	No information available.
Upper explosive limit:	No information available.
Vapour density:	No information available.
Flash point:	Not applicable.

Rupert, Gibbon & Spider, Inc.

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SAFETY DATA SHEET
 According to Regulation (EC) No.1907/2006
 Revision Date 5/6/2015

Product code: Pearl Ex #646 Mink

Version 1.0-2015

Evaporation rate:	No information available.
Vapour pressure:	No information available.
Relative density:	2.7 ~ 3.3 g/cm ³ .
Solubility in water:	Insoluble.
Lipid solubility:	Insoluble.
Partition coefficient (n-octanol/water):	No information available.
Auto-ignition temperature:	No information available.
Decomposition temperature:	No information available.
Viscosity:	No information available.
Explosive properties:	No information available.
Oxidizing properties:	No information available.
9.2 Other information	
Bulk density:	22 ~ 28 g/100ml.
Particle size:	10 ~ 60 µm.

10. STABILITY AND REACTIVITY**10.1 Reactivity**

No information available.

10.2 Chemical stability

Stable under standard ambient conditions(room temperature).

10.3 Possibility of hazardous reactions

No information available.

10.4 Conditions to avoid

Not known to date.

10.5 Incompatible materials

No information available.

10.6 Hazardous decomposition products

No information available.

11. TOXICOLOGICAL INFORMATION**11.1 Information on toxicological effects****Aspiration hazard**

Based on available data the classification criteria are not met.

Specific target organ toxicity – single exposure

The substance or mixture is not classified as specific target organ toxicant, single exposure.

Specific target organ toxicity – repeated exposure

The substance or mixture is not classified as specific target organ toxicant, repeated exposure.

11.2 Other information

Rupert, Gibbon & Spider, Inc.

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SAFETY DATA SHEET

According to Regulation (EC) No.1907/2006
Revision Date 5/6/2015

Product code: Pearl Ex #646 Mink

Version 1.0-2015

Quantitative data on the toxicity of this product are not available.
Hazardous properties can not be excluded, but are relatively improbable due to the compound's poor water solubility.
Our own experience has provided no indication of any hazardous potential.
Inhalation of the dusts should be avoided as even inert dusts may impair respiratory organ functions.

12. ECOLOGICAL INFORMATION

12.1 Toxicity

No information available.

12.2 Persistence and degradability

No information available.

12.3 Bioaccumulative potential

No information available.

12.4 Mobility in soil

No information available.

12.5 Results of PBT and vPvB assessment

PBT/vPvB assessment not available as chemical safety assessment not required/not conducted.

12.6 Other adverse effects

Discharge into the environment must be avoided.

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Waste material must be disposed of in accordance with the Directive on waste 2008/98/EC as well as other national and local regulations.

Leave chemicals in original containers. Do not mix with other waste.

14. TRANSPORT INFORMATION

14.1 Land transport (ADR/RID/GGVSE)

Not classified as dangerous in the meaning of transport regulations.

14.2 Sea transport(IMDG-Code/GGVSee)

Not classified as dangerous in the meaning of transport regulations.

14.3 Air transport (ICAO-IATA/DGR)

Not classified as dangerous in the meaning of transport regulations.

14.4 Special Precautions for User

No information available.

14.5 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not relevant.



SAFETY DATA SHEET

According to Regulation (EC) No.1907/2006
Revision Date 5/6/2015

Product code: Pearl Ex #646 Mink

Version 1.0-2015

15. REGULATORY INFORMATION

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

EU regulations

Major Accident Hazard Legislation: Directive 96/82/EC does not apply.

National legislation

Storage class: 10 – 13.

15.2 Chemical Safety Assessment

For this product a chemical safety assessment was not carried out.

16. OTHER INFORMATION

16.1 Key or legend to abbreviations and acronyms used in the safety data sheet

Used abbreviations and acronyms can be looked up at www.wikipedia.org.

16.2 Training advice

Provide adequate information, instruction and training for operators.

The information contained herein is based on our state of knowledge at the above-specified date. It refers solely to the product indicated and constitutes no guarantee of particular quality. It is the duty of the user to ensure that this information is appropriate and complete with respect to the specific use intended.

This SDS cancels and replaces any preceding release.



SAFETY DATA SHEET
According to Regulation (EC) No.1907/2006
Revision Date 5/6/2015

Product code: Pearl Ex #647 Sky Blue

Version 1.0-2015

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/ UNDERTAKING**1.1 Product Identifier**

Trade name: Pearl Ex #647 Sky Blue

Trade code: #647

CAS number: 12001-26-2/13463-67-7/147-14-8

1.2 Relevant identified uses of the substance/mixture and uses advised against

Identified uses: Coloring agent

1.3 Details of the supplier of the safety data sheet

Company Name: Rupert, Gibbon & Spider, Inc.

Address: 1147 Healdsburg Avenue CA, 95448

Telephone: 800-442-0455

1.4 Emergency telephone number

Telephone companies: Poison Control 800-222-1222

2. HAZARDS IDENTIFICATION**2.1 Classification of the substance or mixture**

This substance is not classified as dangerous according to European Union Legislation.

2.2 Label elements**Directive criteria, 67/548/CE, 99/45/EC and following amendments thereof:**

Properties / Symbols: S-phrase(s) 22 Do not breathe dust.

EC regulation criteria 1272/2008 (CLP):

Precautionary statements: P260 Do not breathe dust.

No special labeling needed.

2.3 Other hazards

None known.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Mixtures

Ingredients	Chemical Name	CAS No.	CI Name	Weight in Percentage (%)
Mica	Mica	12001-26-2	CI 77019	63 ~ 76
TiO ₂	Titanium dioxide	13463-67-7	CI 77891	23 ~ 31
PigmentBlue 15	Pigment Blue 15	147-14-8	CI 74160	1 ~ 6

No components that are liable to disclose according to Regulation (EC) No.1907/2006.



SAFETY DATA SHEET

According to Regulation (EC) No.1907/2006
Revision Date 5/6/2015

Product code: Pearl Ex #647 Sky Blue

Version 1.0-2015

4. FIRST AID MEASURES

4.1 Description of first aid measures

In case of skin contact: Wash off with soap and plenty of water.

In case of eyes contact: Immediately flush with plenty of water about 15 minutes.

If discomfort persists, get medical aid.

In case of Ingestion: If victim is induce vomiting, give 2-4 cupfuls of water, get medical aid.

In case of Inhalation: Move person to fresh air. Consult doctor in the event of any complaints.

4.2 Most important symptoms and effects, both acute and delayed

We have no description of any toxic symptoms.

4.3 Indication of any immediate medical attention and special treatment needed

No information available.

5. FIRE-FIGHTING MEASURES

5.1 Extinguishing media

Use extinguishing measures that are in accordance with the local regulations.

For this substance/mixture no limitations of extinguishing agents are given.

5.2 Special hazards arising from the substance or mixture

Not combustible.

Ambient fire may liberate hazardous vapours.

5.3 Advice for fire-fighters

IN the event of fire, wear self-contained breathing apparatus.

Prevent fire extinguishing water from contaminating surface water or the ground water system.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

See protective measures under point 7 and 8.

6.2 Environmental precautions

Don't let product enter drains.

6.3 Methods and material for containment and cleaning up

Cover drains. Collect, bind, and pump off spills.

Observe possible material restrictions (see sections 7.2 and 10.5).

Take up dry. Dispose of properly. Clean up affected area. Avoid generation of dusts.

6.4 Reference to other sections

See also section 8 and 13.

7. HANDLING AND STORAGE

7.1 Precautions for safe handling:

Prevent formation of dust



SAFETY DATA SHEET

According to Regulation (EC) No.1907/2006
Revision Date 5/6/2015

Product code: Pearl Ex #647 Sky Blue

Version 1.0-2015

Any unavoidable deposit of dust must be regularly removed.

7.2 Conditions for safe storage, including any incompatibilities

Store in a cool and dry, keep packages closed, location away from other material

7.3 Specific end use(s)

Apart from the uses mentioned in section 1.2 no other specific use are stipulated.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

8.2 Exposure controls

Eye/face protection: Safety glasses.

Skin protection:

Hand protection: Not required.

Body protection: Protective work clothing.

Other protection: Protective clothing needs to be selected specifically for the workplace, depending on concentrations and quantities of the hazardous substances handled.

Hygiene measures: Change contaminated clothing. Wash hands after working with substance.

Respiratory protection:

Required when dusts are generated.

Recommended Filter type: Filter P 1 (acc. to DIN 3181) for solid particles of inert substances.

The entrepreneur has to ensure that maintenance, cleaning and testing of respiratory protective devices are carried out according to the instructions of the producer. These measures have to be properly documented.

Thermal Hazards: No information available.

Environmental exposure controls: Don't let product enter drains.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance:	Powder.
colour:	Pearlescent Blue Powder
Odour:	Odourless.
Odour threshold:	No information available.
pH:	5 ~ 9 (10% aqueous slurry).
Melting point:	No information available.
Boiling point:	No information available.
Solid/gas flammability:	No information available.
Lower explosive limit:	No information available.
Upper explosive limit:	No information available.
Vapour density:	No information available.
Flash point:	Not applicable.

Rupert, Gibbon & Spider, Inc.

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SAFETY DATA SHEET
According to Regulation (EC) No.1907/2006
Revision Date 5/6/2015

Product code: Pearl Ex #647 Sky Blue

Version 1.0-2015

Evaporation rate:	No information available.
Vapour pressure:	No information available.
Relative density:	2.4 ~ 3.0 g/cm ³ .
Solubility in water:	Insoluble.
Lipid solubility:	Insoluble.
Partition coefficient (n-octanol/water):	No information available.
Auto-ignition temperature:	No information available.
Decomposition temperature:	No information available.
Viscosity:	No information available.
Explosive properties:	No information available.
Oxidizing properties:	No information available.
9.2 Other information	
Bulk density:	15~ 23 g/100ml
Particle size:	10-60 μm.

10. STABILITY AND REACTIVITY**10.1 Reactivity**

No information available.

10.2 Chemical stability

Stable under standard ambient conditions(room temperature).

10.3 Possibility of hazardous reactions

No information available.

10.4 Conditions to avoid

Not known to date.

10.5 Incompatible materials

No information available.

10.6 Hazardous decomposition products

No information available.

11. TOXICOLOGICAL INFORMATION**11.1 Information on toxicological effects****Aspiration hazard**

Based on available data the classification criteria are not met.

Specific target organ toxicity – single exposure

The substance or mixture is not classified as specific target organ toxicant, single exposure.

Specific target organ toxicity – repeated exposure

The substance or mixture is not classified as specific target organ toxicant, repeated exposure.

11.2 Other information

Rupert, Gibbon & Spider, Inc.

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SAFETY DATA SHEET
According to Regulation (EC) No.1907/2006
Revision Date 5/6/2015

Product code: Pearl Ex #647 Sky Blue

Version 1.0-2015

Quantitative data on the toxicity of this product are not available.
Hazardous properties can not be excluded, but are relatively improbable due to the compound's poor water solubility.
Our own experience has provided no indication of any hazardous potential.
Inhalation of the dusts should be avoided as even inert dusts may impair respiratory organ functions.

12. ECOLOGICAL INFORMATION

12.1 Toxicity

No information available.

12.2 Persistence and degradability

No information available.

12.3 Bioaccumulative potential

No information available.

12.4 Mobility in soil

No information available.

12.5 Results of PBT and vPvB assessment

PBT/vPvB assessment not available as chemical safety assessment not required/not conducted.

12.6 Other adverse effects

Discharge into the environment must be avoided.

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Waste material must be disposed of in accordance with the Directive on waste 2008/98/EC as well as other national and local regulations.

Leave chemicals in original containers. Do not mix with other waste.

14. TRANSPORT INFORMATION

14.1 Land transport (ADR/RID/GGVSE)

Not classified as dangerous in the meaning of transport regulations.

14.2 Sea transport(IMDG-Code/GGVSee)

Not classified as dangerous in the meaning of transport regulations.

14.3 Air transport (ICAO-IATA/DGR)

Not classified as dangerous in the meaning of transport regulations.

14.4 Special Precautions for User

No information available.

14.5 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not relevant.



SAFETY DATA SHEET
According to Regulation (EC) No.1907/2006
Revision Date 5/6/2015

Product code: Pearl Ex #647 Sky Blue

Version 1.0-2015

15. REGULATORY INFORMATION

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

EU regulations

Major Accident Hazard Legislation: Directive 96/82/EC does not apply.

National legislation

Storage class: 10 – 13.

15.2 Chemical Safety Assessment

For this product a chemical safety assessment was not carried out.

16. OTHER INFORMATION

16.1 Key or legend to abbreviations and acronyms used in the safety data sheet

Used abbreviations and acronyms can be looked up at www.wikipedia.org.

16.2 Training advice

Provide adequate information, instruction and training for operators.

The information contained herein is based on our state of knowledge at the above-specified date. It refers solely to the product indicated and constitutes no guarantee of particular quality. It is the duty of the user to ensure that this information is appropriate and complete with respect to the specific use intended.

This SDS cancels and replaces any preceding release.



SAFETY DATA SHEET
According to Regulation (EC) No.1907/2006
Revision Date 5/6/2015

Product code: Pearl Ex #651 Pearl White

Version 1.0-2015

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/ UNDERTAKING**1.1 Product Identifier**

Trade name: Pearl Ex #651 Pearl White

Trade code: #651

CAS number: 12001-26-2/13463-67-7

1.2 Relevant identified uses of the substance/mixture and uses advised against

Identified uses: Coloring agent

1.3 Details of the supplier of the safety data sheet

Company Name: Rupert, Gibbon & Spider, Inc.

Address: 1147 Healdsburg Avenue CA, 95448

Telephone: 800-442-0455

1.4 Emergency telephone number

Telephone companies: Poison Control 800-222-1222

2. HAZARDS IDENTIFICATION**2.1 Classification of the substance or mixture**

This substance is not classified as dangerous according to European Union Legislation.

2.2 Label elements**Directive criteria, 67/548/CE, 99/45/EC and following amendments thereof:**

Properties / Symbols: S-phrases) 22 Do not breathe dust.

EC regulation criteria 1272/2008 (CLP):

Precautionary statements: P260 Do not breathe dust.

No special labeling needed.

2.3 Other hazards

None known.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Mixtures

Ingredients	Chemical Name	CAS No.	CI Name	Weight in Percentage (%)
Mica	Mica	12001-26-2	CI 77019	63 ~ 86
TiO ₂	Titanium dioxide	13463-67-7	CI 77891	14 ~ 37

No components that are liable to disclose according to Regulation (EC) No.1907/2006.

Rupert, Gibbon & Spider, Inc.

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SAFETY DATA SHEET

According to Regulation (EC) No.1907/2006
Revision Date 5/6/2015

Product code: Pearl Ex #651 Pearl White

Version 1.0-2015

4. FIRST AID MEASURES

4.1 Description of first aid measures

In case of skin contact: Wash off with soap and plenty of water.

In case of eyes contact: Immediately flush with plenty of water about 15 minutes.

If discomfort persists, get medical aid.

In case of Ingestion: If victim is induce vomiting, give 2-4 cupfuls of water, get medical aid.

In case of Inhalation: Move person to fresh air. Consult doctor in the event of any complaints.

4.2 Most important symptoms and effects, both acute and delayed

We have no description of any toxic symptoms.

4.3 Indication of any immediate medical attention and special treatment needed

No information available.

5. FIRE-FIGHTING MEASURES

5.1 Extinguishing media

Use extinguishing measures that are in accordance with the local regulations.

For this substance/mixture no limitations of extinguishing agents are given.

5.2 Special hazards arising from the substance or mixture

Not combustible.

Ambient fire may liberate hazardous vapours.

5.3 Advice for fire-fighters

IN the event of fire, wear self-contained breathing apparatus.

Prevent fire extinguishing water from contaminating surface water or the ground water system.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

See protective measures under point 7 and 8.

6.2 Environmental precautions

Don't let product enter drains.

6.3 Methods and material for containment and cleaning up

Cover drains. Collect, bind, and pump off spills.

Observe possible material restrictions (see sections 7.2 and 10.5).

Take up dry. Dispose of properly. Clean up affected area. Avoid generation of dusts.

6.4 Reference to other sections

See also section 8 and 13.

7. HANDLING AND STORAGE

7.1 Precautions for safe handling:

Prevent formation of dust

Rupert, Gibbon & Spider, Inc.

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SAFETY DATA SHEET
 According to Regulation (EC) No.1907/2006
 Revision Date 5/6/2015

Product code: Pearl Ex #651 Pearl White

Version 1.0-2015

Any unavoidable deposit of dust must be regularly removed.

7.2 Conditions for safe storage, including any incompatibilities

Store in a cool and dry, keep packages closed, location away from other material.

7.3 Specific end use(s)

Apart from the uses mentioned in section 1.2 no other specific use are stipulated.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

8.2 Exposure controls

Eye/face protection: Safety glasses.

Skin protection:

Hand protection: Not required.

Body protection: Protective work clothing.

Other protection: Protective clothing needs to be selected specifically for the workplace, depending on concentrations and quantities of the hazardous substances handled.

Hygiene measures: Change contaminated clothing. Wash hands after working with substance.

Respiratory protection:

Required when dusts are generated.

Recommended Filter type: Filter P 1 (acc. to DIN 3181) for solid particles of inert substances.

The entrepreneur has to ensure that maintenance, cleaning and testing of respiratory protective devices are carried out according to the instructions of the producer. These measures have to be properly documented.

Thermal Hazards: No information available.

Environmental exposure controls: Don't let product enter drains.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance:	Powder.
colour:	White powder with iridescence
Odour:	Odourless.
Odour threshold:	No information available.
pH:	5 ~ 9 (10% aqueous slurry).
Melting point:	No information available.
Boiling point:	No information available.
Solid/gas flammability:	No information available.
Lower explosive limit:	No information available.
Upper explosive limit:	No information available.
Vapour density:	No information available.
Flash point:	Not applicable.

Rupert, Gibbon & Spider, Inc.

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SAFETY DATA SHEET
 According to Regulation (EC) No.1907/2006
 Revision Date 5/6/2015

Product code: Pearl Ex #651 Pearl White

Version 1.0-2015

Evaporation rate:	No information available.
Vapour pressure:	No information available.
Relative density:	2.4 ~ 3.0 g/cm ³ .
Solubility in water:	Insoluble.
Lipid solubility:	Insoluble.
Partition coefficient (n-octanol/water):	No information available.
Auto-ignition temperature:	No information available.
Decomposition temperature:	No information available.
Viscosity:	No information available.
Explosive properties:	No information available.
Oxidizing properties:	No information available.
9.2 Other information	
Bulk density:	15 ~ 21 g/100ml.
Particle size:	5-25 µm.

10. STABILITY AND REACTIVITY**10.1 Reactivity**

No information available.

10.2 Chemical stability

Stable under standard ambient conditions(room temperature).

10.3 Possibility of hazardous reactions

No information available.

10.4 Conditions to avoid

Not known to date.

10.5 Incompatible materials

No information available.

10.6 Hazardous decomposition products

No information available.

11. TOXICOLOGICAL INFORMATION**11.1 Information on toxicological effects****Aspiration hazard**

Based on available data the classification criteria are not met.

Specific target organ toxicity – single exposure

The substance or mixture is not classified as specific target organ toxicant, single exposure.

Specific target organ toxicity – repeated exposure

The substance or mixture is not classified as specific target organ toxicant, repeated exposure.

11.2 Other information

Rupert, Gibbon & Spider, Inc.

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SAFETY DATA SHEET

According to Regulation (EC) No.1907/2006
Revision Date 5/6/2015

Product code: Pearl Ex #651 Pearl White

Version 1.0-2015

Quantitative data on the toxicity of this product are not available.
Hazardous properties can not be excluded, but are relatively improbable due to the compound's poor water solubility.
Our own experience has provided no indication of any hazardous potential.
Inhalation of the dusts should be avoided as even inert dusts may impair respiratory organ functions.

12. ECOLOGICAL INFORMATION

12.1 Toxicity

No information available.

12.2 Persistence and degradability

No information available.

12.3 Bioaccumulative potential

No information available.

12.4 Mobility in soil

No information available.

12.5 Results of PBT and vPvB assessment

PBT/vPvB assessment not available as chemical safety assessment not required/not conducted.

12.6 Other adverse effects

Discharge into the environment must be avoided.

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Waste material must be disposed of in accordance with the Directive on waste 2008/98/EC as well as other national and local regulations.

Leave chemicals in original containers. Do not mix with other waste.

14. TRANSPORT INFORMATION

14.1 Land transport (ADR/RID/GGVSE)

Not classified as dangerous in the meaning of transport regulations.

14.2 Sea transport(IMDG-Code/GGVSee)

Not classified as dangerous in the meaning of transport regulations.

14.3 Air transport (ICAO-IATA/DGR)

Not classified as dangerous in the meaning of transport regulations.

14.4 Special Precautions for User

No information available.

14.5 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not relevant.



SAFETY DATA SHEET
According to Regulation (EC) No.1907/2006
Revision Date 5/6/2015

Product code: Pearl Ex #651 Pearl White

Version 1.0-2015

15. REGULATORY INFORMATION

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

EU regulations

Major Accident Hazard Legislation: Directive 96/82/EC does not apply.

National legislation

Storage class: 10 – 13.

15.2 Chemical Safety Assessment

For this product a chemical safety assessment was not carried out.

16. OTHER INFORMATION

16.1 Key or legend to abbreviations and acronyms used in the safety data sheet

Used abbreviations and acronyms can be looked up at www.wikipedia.org.

16.2 Training advice

Provide adequate information, instruction and training for operators.

The information contained herein is based on our state of knowledge at the above-specified date. It refers solely to the product indicated and constitutes no guarantee of particular quality. It is the duty of the user to ensure that this information is appropriate and complete with respect to the specific use intended.

This SDS cancels and replaces any preceding release.



SAFETY DATA SHEET
According to Regulation (EC) No.1907/2006
Revision Date 5/6/2015

Product code: Pearl Ex #660 Antique Bronze

Version 1.0-2015

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/ UNDERTAKING**1.1 Product Identifier**

Trade name: Pearl Ex #660 Antique Bronze

Trade code: #660

CAS number: 12001-26-2/13463-67-7/1309-37-1

1.2 Relevant identified uses of the substance/mixture and uses advised against

Identified uses: Coloring Agent

1.3 Details of the supplier of the safety data sheet

Company Name: Rupert, Gibbon & Spider, Inc.

Address: 1147 Healdsburg Avenue CA, 95448

Telephone: 800-442-0455

1.4 Emergency telephone number

Telephone companies: Poison Control 800-222-1222

2. HAZARDS IDENTIFICATION**2.1 Classification of the substance or mixture**

This substance is not classified as dangerous according to European Union Legislation.

2.2 Label elements**Directive criteria, 67/548/CE, 99/45/EC and following amendments thereof:**

Properties / Symbols: S-phrases) 22 Do not breathe dust.

EC regulation criteria 1272/2008 (CLP):

Precautionary statements: P260 Do not breathe dust.

No special labeling needed.

2.3 Other hazards

None known.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Mixtures

Ingredients	Chemical Name	CAS No.	CI Name	Weight in Percentage (%)
Mica	Mica	12001-26-2	CI 77019	52 ~ 68
TiO ₂	Titanium dioxide	13463-67-7	CI 77891	18 ~ 26
Fe ₂ O ₃	Diiron Trioxide	1309-37-1	CI 77491	14 ~ 22

No components that are liable to disclose according to Regulation (EC) No.1907/2006.



SAFETY DATA SHEET

According to Regulation (EC) No.1907/2006
Revision Date 5/6/2015

Product code: Pearl Ex #660 Antique Bronze

Version 1.0-2015

4. FIRST AID MEASURES

4.1 Description of first aid measures

In case of skin contact: Wash off with soap and plenty of water.

In case of eyes contact: Immediately flush with plenty of water about 15 minutes.

If discomfort persists, get medical aid.

In case of Ingestion: If victim is induce vomiting, give 2-4 cupfuls of water, get medical aid.

In case of Inhalation: Move person to fresh air. Consult doctor in the event of any complaints.

4.2 Most important symptoms and effects, both acute and delayed

We have no description of any toxic symptoms.

4.3 Indication of any immediate medical attention and special treatment needed

No information available.

5. FIRE-FIGHTING MEASURES

5.1 Extinguishing media

Use extinguishing measures that are in accordance with the local regulations.

For this substance/mixture no limitations of extinguishing agents are given.

5.2 Special hazards arising from the substance or mixture

Not combustible.

Ambient fire may liberate hazardous vapours.

5.3 Advice for fire-fighters

IN the event of fire, wear self-contained breathing apparatus.

Prevent fire extinguishing water from contaminating surface water or the ground water system.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

See protective measures under point 7 and 8.

6.2 Environmental precautions

Don't let product enter drains.

6.3 Methods and material for containment and cleaning up

Cover drains. Collect, bind, and pump off spills.

Observe possible material restrictions (see sections 7.2 and 10.5).

Take up dry. Dispose of properly. Clean up affected area. Avoid generation of dusts.

6.4 Reference to other sections

See also section 8 and 13.

7. HANDLING AND STORAGE

7.1 Precautions for safe handling:

Prevent formation of dust



SAFETY DATA SHEET

According to Regulation (EC) No.1907/2006
Revision Date 5/6/2015

Product code: Pearl Ex #660 Antique Bronze

Version 1.0-2015

Any unavoidable deposit of dust must be regularly removed.

7.2 Conditions for safe storage, including any incompatibilities

Store in a cool and dry, keep packages closed, location away from other material.

7.3 Specific end use(s)

Apart from the uses mentioned in section 1.2 no other specific use are stipulated.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

8.2 Exposure controls

Eye/face protection: Safety glasses.

Skin protection:

Hand protection: Not required.

Body protection: Protective work clothing.

Other protection: Protective clothing needs to be selected specifically for the workplace, depending on concentrations and quantities of the hazardous substances handled.

Hygiene measures: Change contaminated clothing. Wash hands after working with substance.

Respiratory protection:

Required when dusts are generated.

Recommended Filter type: Filter P 1 (acc. to DIN 3181) for solid particles of inert substances.

The entrepreneur has to ensure that maintenance, cleaning and testing of respiratory protective devices are carried out according to the instructions of the producer. These measures have to be properly documented.

Thermal Hazards: No information available.

Environmental exposure controls: Don't let product enter drains.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance:	Powder.
colour:	Pearlescent brown powder
Odour:	Odourless.
Odour threshold:	No information available.
pH:	5 ~ 9 (10% aqueous slurry).
Melting point:	No information available.
Boiling point:	No information available.
Solid/gas flammability:	No information available.
Lower explosive limit:	No information available.
Upper explosive limit:	No information available.
Vapour density:	No information available.
Flash point:	Not applicable.



SAFETY DATA SHEET
According to Regulation (EC) No.1907/2006
Revision Date 5/6/2015

Product code: Pearl Ex #660 Antique Bronze

Version 1.0-2015

Evaporation rate:	No information available.
Vapour pressure:	No information available.
Relative density:	2.5 ~ 3.1g/cm ³ .
Solubility in water:	Insoluble.
Lipid solubility:	Insoluble.
Partition coefficient (n-octanol/water):	No information available.
Auto-ignition temperature:	No information available.
Decomposition temperature:	No information available.
Viscosity:	No information available.
Explosive properties:	No information available.
Oxidizing properties:	No information available.

9.2 Other information

Bulk density:	20 ~ 26 g/100ml.
Particle size:	10-60 µm.

10. STABILITY AND REACTIVITY

10.1 Reactivity

No information available.

10.2 Chemical stability

Stable under standard ambient conditions(room temperature).

10.3 Possibility of hazardous reactions

No information available.

10.4 Conditions to avoid

Not known to date.

10.5 Incompatible materials

No information available.

10.6 Hazardous decomposition products

No information available.

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Aspiration hazard

Based on available data the classification criteria are not met.

Specific target organ toxicity – single exposure

The substance or mixture is not classified as specific target organ toxicant, single exposure.

Specific target organ toxicity – repeated exposure

The substance or mixture is not classified as specific target organ toxicant, repeated exposure.

11.2 Other information



SAFETY DATA SHEET

According to Regulation (EC) No.1907/2006
Revision Date 5/6/2015

Product code: Pearl Ex #660 Antique Bronze

Version 1.0-2015

Quantitative data on the toxicity of this product are not available.
Hazardous properties can not be excluded, but are relatively improbable due to the compound's poor water solubility.
Our own experience has provided no indication of any hazardous potential.
Inhalation of the dusts should be avoided as even inert dusts may impair respiratory organ functions.

12. ECOLOGICAL INFORMATION

12.1 Toxicity

No information available.

12.2 Persistence and degradability

No information available.

12.3 Bioaccumulative potential

No information available.

12.4 Mobility in soil

No information available.

12.5 Results of PBT and vPvB assessment

PBT/vPvB assessment not available as chemical safety assessment not required/not conducted.

12.6 Other adverse effects

Discharge into the environment must be avoided.

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Waste material must be disposed of in accordance with the Directive on waste 2008/98/EC as well as other national and local regulations.

Leave chemicals in original containers. Do not mix with other waste.

14. TRANSPORT INFORMATION

14.1 Land transport (ADR/RID/GGVSE)

Not classified as dangerous in the meaning of transport regulations.

14.2 Sea transport(IMDG-Code/GGVSee)

Not classified as dangerous in the meaning of transport regulations.

14.3 Air transport (ICAO-IATA/DGR)

Not classified as dangerous in the meaning of transport regulations.

14.4 Special Precautions for User

No information available.

14.5 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not relevant.



SAFETY DATA SHEET
According to Regulation (EC) No.1907/2006
Revision Date 5/6/2015

Product code: Pearl Ex #660 Antique Bronze

Version 1.0-2015

15. REGULATORY INFORMATION

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

EU regulations

Major Accident Hazard Legislation: Directive 96/82/EC does not apply.

National legislation

Storage class: 10 – 13.

15.2 Chemical Safety Assessment

For this product a chemical safety assessment was not carried out.

16. OTHER INFORMATION

16.1 Key or legend to abbreviations and acronyms used in the safety data sheet

Used abbreviations and acronyms can be looked up at www.wikipedia.org.

16.2 Training advice

Provide adequate information, instruction and training for operators.

The information contained herein is based on our state of knowledge at the above-specified date. It refers solely to the product indicated and constitutes no guarantee of particular quality. It is the duty of the user to ensure that this information is appropriate and complete with respect to the specific use intended.

This SDS cancels and replaces any preceding release.



SAFETY DATA SHEET

According to Regulation (EC) No.1907/2006

Product code: Pearl Ex #665 Sunset Gold

Date: 12/19/17

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/ UNDERTAKING

1.1 Product Identifier

Trade name: Pearl Ex #665 Sunset Gold

Trade code: #665

CAS number: 12001-26-2/13463-67-7/1309-37-1

1.2 Relevant identified uses of the substance/mixture and uses advised against

Identified uses: Coloring Agent

1.3 Details of the supplier of the safety data sheet

Company Name: Rupert, Gibbon & Spider, Inc.

Address: 1147 Healdsburg Ave. CA, 95448

Telephone: 800-442-0455

1.4 Emergency telephone number

CHEMTREC (24HR Emergency Telephone),

call: 1-800-424-9300

International CHEMTREC, call: 1-703-527-3887

For non-emergency assistance, call: 800-442-0455

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

This substance is not classified as dangerous according to European Union Legislation.

2.2 Label elements

Directive criteria, 67/548/CE, 99/45/EC and following amendments thereof:

Pictograms / Symbols: None S-phrases) 22 Do not breathe dust.

EC regulation criteria 1272/2008 (CLP):

Precautionary statements: P260 Do not breathe dust.

No special labeling needed.

2.3 Other hazards

None known.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Mixtures

Ingredients	Chemical Name	CAS No.	CI Name	Weight in Percentage (%)
Mica	Mica	12001-26-2	CI 77019	62
TiO ₂	Titanium dioxide	13463-67-7	CI 77891	23
Fe ₂ O ₃	Diiron Trioxide	1309-37-1	CI 77491	15

No components that are liable to disclose according to Regulation (EC) No.1907/2006.

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Rupert, Gibbon & Spider, Inc.



SAFETY DATA SHEET

According to Regulation (EC) No.1907/2006

Product code: Pearl Ex #665 Sunset Gold

Date: 12/19/17

4. FIRST AID MEASURES

4.1 Description of first aid measures

In case of skin contact: Wash off with soap and plenty of water.

In case of eyes contact: Immediately flush with plenty of water about 15 minutes.

If discomfort persists, get medical aid.

In case of Ingestion: If victim is conscious, induce vomiting, give 2-4 cupfuls of water, get medical aid.

In case of Inhalation: Move person to fresh air. Consult doctor in the event of any complaints.

4.2 Most important symptoms and effects, both acute and delayed

We have no description of any toxic symptoms.

4.3 Indication of any immediate medical attention and special treatment needed

No information available.

5. FIRE-FIGHTING MEASURES

5.1 Extinguishing media

Use extinguishing measures that are in accordance with the local regulations.

For this substance/mixture no limitations of extinguishing agents are given.

5.2 Special hazards arising from the substance or mixture

Not combustible.

Ambient fire may liberate hazardous vapors.

5.3 Advice for fire-fighters

IN the event of fire, wear self-contained breathing apparatus.

Prevent fire extinguishing water from contaminating surface water or the ground water system.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

See protective measures under point 7 and 8.

6.2 Environmental precautions

Don't let product enter drains.

6.3 Methods and material for containment and cleaning up

Cover drains. Collect, bind, and pump off spills.

Observe possible material restrictions (see sections 7.2 and 10.5).

Take up dry. Dispose of properly. Clean up affected area. Avoid generation of dusts.

6.4 Reference to other sections

See also section 8 and 13.

7. HANDLING AND STORAGE

7.1 Precautions for safe handling:

Prevent formation of dust



SAFETY DATA SHEET

According to Regulation (EC) No.1907/2006

Product code: Pearl Ex #665 Sunset Gold

Date: 12/19/17

Any unavoidable deposit of dust must be regularly removed.

7.2 Conditions for safe storage, including any incompatibilities

Store in a cool and dry, keep packages closed, location away from other material.

7.3 Specific end use(s)

Apart from the uses mentioned in section 1.2 no other specific use are stipulated.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

8.2 Exposure controls

Eye/face protection: Safety glasses.

Skin protection:

Hand protection: Not required.

Body protection: Protective work clothing.

Other protection: Protective clothing needs to be selected specifically for the workplace, depending on concentrations and quantities of the hazardous substances handled.

Hygiene measures: Change contaminated clothing. Wash hands after working with substance.

Respiratory protection:

Required when dusts are generated.

Recommended Filter type: Filter P 1 (acc. to DIN 3181) for solid particles of inert substances.

The entrepreneur has to ensure that maintenance, cleaning and testing of respiratory protective devices are carried out according to the instructions of the producer. These measures have to be properly documented.

Thermal Hazards: No information available.

Environmental exposure controls: Don't let product enter drains.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance:	Powder.
Color:	Pearlescent brown powder
Odor:	Odorless.
Odor threshold:	No information available.
pH:	5 ~ 9 (10% aqueous slurry).
Melting point:	No information available.
Boiling point:	No information available.
Solid/gas flammability:	No information available.
Lower explosive limit:	No information available.
Upper explosive limit:	No information available.
Vapor density:	No information available.
Flash point:	Not applicable.

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Rupert, Gibbon & Spider, Inc.



SAFETY DATA SHEET

According to Regulation (EC) No.1907/2006

Product code: Pearl Ex #665 Sunset Gold

Date: 12/19/17

Evaporation rate:	No information available.
Vapor pressure:	No information available.
Relative density:	2.5 ~ 3.1g/cm ³ .
Solubility in water:	Insoluble.
Lipid solubility:	Insoluble.
Partition coefficient (n-octanol/water):	No information available.
Auto-ignition temperature:	No information available.
Decomposition temperature:	No information available.
Viscosity:	No information available.
Explosive properties:	No information available.
Oxidizing properties:	No information available.

9.2 Other information

Bulk density:	20 ~ 26 g/100ml.
Particle size:	10-60 μm.

10. STABILITY AND REACTIVITY

10.1 Reactivity

No information available.

10.2 Chemical stability

Stable under standard ambient conditions (room temperature).

10.3 Possibility of hazardous reactions

No information available.

10.4 Conditions to avoid

Not known to date.

10.5 Incompatible materials

No information available.

10.6 Hazardous decomposition products

No information available.

11. TOXICOLOGICAL INFORMATION

11.1 Likely routes of exposure:

Skin contact: Wash off with soap and plenty of water.

Eye contact: Immediately flush with plenty of water about 15 minutes.

If discomfort persists, get medical aid.

Ingestion: If victim is conscious, induce vomiting, give 2-4 cupfuls of water, get medical aid.

Inhalation: Move person to fresh air. Consult doctor in the event of any complaints.



SAFETY DATA SHEET

According to Regulation (EC) No.1907/2006

Product code: Pearl Ex #665 Sunset Gold

Date: 12/19/17

11.2 Information on toxicological effects

Aspiration hazard

Based on available data the classification criteria are not met.

Specific target organ toxicity – single exposure

The substance or mixture is not classified as specific target organ toxicant, single exposure.

Specific target organ toxicity – repeated exposure

The substance or mixture is not classified as specific target organ toxicant, repeated exposure.

11.3 Other information

Quantitative data on the toxicity of this product are not available.

Hazardous properties cannot be excluded, but are relatively improbable due to the compound's poor water solubility.

Our own experience has provided no indication of any hazardous potential.

Inhalation of the dusts should be avoided as even inert dusts may impair respiratory organ functions.



SAFETY DATA SHEET

According to Regulation (EC) No.1907/2006

Product code: Pearl Ex #665 Sunset Gold

Date: 12/19/17

12. ECOLOGICAL INFORMATION

12.1 Toxicity

No information available.

12.2 Persistence and degradability

No information available.

12.3 Bioaccumulative potential

No information available.

12.4 Mobility in soil

No information available.

12.5 Results of PBT and vPvB assessment

PBT/vPvB assessment not available as chemical safety assessment not required/not conducted.

12.6 Other adverse effects

Discharge into the environment must be avoided.

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Waste material must be disposed of in accordance with the Directive on waste 2008/98/EC as well as other national and local regulations.

Leave chemicals in original containers. Do not mix with other waste.

14. TRANSPORT INFORMATION

14.1 Land transport (ADR/RID/GGVSE)

Not classified as dangerous in the meaning of transport regulations.

14.2 Sea transport (IMDG-Code/GGVSee)

Not classified as dangerous in the meaning of transport regulations.

14.3 Air transport (ICAO-IATA/DGR)

Not classified as dangerous in the meaning of transport regulations.

14.4 Special Precautions for User

No information available.

14.5 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not relevant.



SAFETY DATA SHEET

According to Regulation (EC) No.1907/2006

Product code: Pearl Ex #665 Sunset Gold

Date: 12/19/17

15. REGULATORY INFORMATION

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

EU regulations

Major Accident Hazard Legislation: Directive 96/82/EC does not apply.

National legislation

Storage class: 10 – 13.

15.2 Chemical Safety Assessment

For this product a chemical safety assessment was not carried out.

16. OTHER INFORMATION

16.1 Key or legend to abbreviations and acronyms used in the safety data sheet

Used abbreviations and acronyms can be looked up at www.wikipedia.org.

16.2 Training advice

Provide adequate information, instruction and training for operators.

Date: 5/06/2015

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This SDS cancels and replaces any preceding release.



SAFETY DATA SHEET

According to 1907/2006/EC, Article 31
Revision Date 10/12/2016

Product code: Pearl Ex #681 Duo Blue-Green

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/ UNDERTAKING

1.1 Product Identifier

Trade name: Pearl Ex #681 Duo Blue-Green

Trade code: #681

CAS number: 12001-26-2/13463-67-7/18282-10-5/147-14-8

1.2 Relevant identified uses of the substance/mixture and uses advised against

Identified uses: Coloring Agent

1.3 Details of the supplier of the safety data sheet

Company Name: Rupert, Gibbon & Spider, Inc.

Address: 1147 Healdsburg Ave. CA, 95448

Telephone: 800-442-0455

1.4 Emergency telephone number

CHEMTREC (24HR Emergency Telephone),
call: 1-800-424-9300

International CHEMTREC, call: 1-703-527-3887

For non-emergency assistance, call: 800-442-0455

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

This substance is not classified as dangerous according to European Union Legislation.

2.2 Label elements

Directive criteria, 67/548/CE, 99/45/EC and following amendments thereof:

Properties / Symbols: S-phrases) 22 Do not breathe dust.

EC regulation criteria 1272/2008 (CLP):

Precautionary statements: P260 Do not breathe dust.

No special labeling needed.

2.3 Other hazards

None known.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Mixtures

Ingredients	Chemical Name	CAS No.	CI Name	Weight in Percentage (%)
Mica	Mica	12001-26-2	CI 77019	40-45
TiO ₂	Titanium dioxide	13463-67-7	CI 77891	55-58
SnO ₂	Tin Oxide	18282-10-5	CI 77861	≤ 1
Pigment Blue 15	Pigment Blue 15	147-14-8	CI 73915	≤ 1

No components that are liable to disclose according to Regulation (EC) No.1907/2006.



SAFETY DATA SHEET

According to 1907/2006/EC, Article 31

Revision Date 10/12/2016

Product code: Pearl Ex #681 Duo Blue-Green

4. FIRST AID MEASURES

4.1 Description of first aid measures

In case of skin contact: Wash off with soap and plenty of water.

In case of eyes contact: Immediately flush with plenty of water about 15 minutes.

If discomfort persists, get medical aid.

In case of Ingestion: If victim is conscious, induce vomiting, give 2-4 cupfuls of water, get medical aid.

In case of Inhalation: Move person to fresh air. Consult doctor in the event of any complaints.

4.2 Most important symptoms and effects, both acute and delayed

We have no description of any toxic symptoms.

4.3 Indication of any immediate medical attention and special treatment needed

No information available.

5. FIRE-FIGHTING MEASURES

5.1 Extinguishing media

Use extinguishing measures that are in accordance with the local regulations.

For this substance/mixture no limitations of extinguishing agents are given.

5.2 Special hazards arising from the substance or mixture

Not combustible.

Ambient fire may liberate hazardous vapours.

5.3 Advice for fire-fighters

IN the event of fire, wear self-contained breathing apparatus.

Prevent fire extinguishing water from contaminating surface water or the ground water system.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

See protective measures under point 7 and 8.

6.2 Environmental precautions

Don't let product enter drains.

6.3 Methods and material for containment and cleaning up

Cover drains. Collect, bind, and pump off spills.

Observe possible material restrictions (see sections 7.2 and 10.5).

Take up dry. Dispose of properly. Clean up affected area. Avoid generation of dusts.

6.4 Reference to other sections

See also section 8 and 13.

7. HANDLING AND STORAGE

7.1 Precautions for safe handling:

Prevent formation of dust



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Product code: Pearl Ex #681 Duo Blue-Green

Any unavoidable deposit of dust must be regularly removed.

7.2 Conditions for safe storage, including any incompatibilities

Store in a cool and dry, keep packages closed, location away from other material.

7.3 Specific end use(s)

Apart from the uses mentioned in section 1.2 no other specific use are stipulated.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

8.2 Exposure controls

Eye/face protection: Safety glasses.

Skin protection:

Hand protection: Not required.

Body protection: Protective work clothing.

Other protection: Protective clothing needs to be selected specifically for the workplace, depending on concentrations and quantities of the hazardous substances handled.

Hygiene measures: Change contaminated clothing. Wash hands after working with substance.

Respiratory protection:

Required when dusts are generated.

Recommended Filter type: Filter P 1 (acc. to DIN 3181) for solid particles of inert substances.

The entrepreneur has to ensure that maintenance, cleaning and testing of respiratory protective devices are carried out according to the instructions of the producer. These measures have to be properly documented.

Thermal Hazards: No information available.

Environmental exposure controls: Don't let product enter drains.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance: Powder.

color: Pearlescent blue-green powder

Odor: Odorless.

Odor threshold: No information available.

pH: 6 ~ 9 (10% aqueous slurry).

Melting point: No information available.

Boiling point: No information available.

Solid/gas flammability: No information available.

Lower explosive limit: No information available.

Upper explosive limit: No information available.

Vapor density: No information available.

Flash point: Not applicable.

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Rupert, Gibbon & Spider, Inc.



SAFETY DATA SHEET

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Product code: Pearl Ex #681 Duo Blue-Green

Evaporation rate:	No information available.
Vapor pressure:	No information available.
Relative density:	2.8 – 2.9g/cm ³ .
Solubility in water:	Insoluble.
Lipid solubility:	Insoluble.
Partition coefficient (n-octanol/water):	No information available.
Auto-ignition temperature:	No information available.
Decomposition temperature:	No information available.
Viscosity:	No information available.
Explosive properties:	No information available.
Oxidizing properties:	No information available.
9.2 Other information	
Bulk density:	18~ 26 g/100ml
Particle size:	10-60 µm.

10. STABILITY AND REACTIVITY

10.1 Reactivity

No information available.

10.2 Chemical stability

Stable under standard ambient conditions (room temperature).

10.3 Possibility of hazardous reactions

No information available.

10.4 Conditions to avoid

Not known to date.

10.5 Incompatible materials

No information available.

10.6 Hazardous decomposition products

No information available.

11. TOXICOLOGICAL INFORMATION

11.1 Likely routes of exposure:

Skin contact: Wash off with soap and plenty of water.

Eye contact: Immediately flush with plenty of water about 15 minutes.

If discomfort persists, get medical aid.

Ingestion: If victim is conscious, induce vomiting, give 2-4 cupfuls of water, get medical aid.

Inhalation: Move person to fresh air. Consult doctor in the event of any complaints.

**SAFETY DATA SHEET**

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11.2 Information on toxicological effects**Aspiration hazard**

Based on available data the classification criteria are not met.

Specific target organ toxicity – single exposure

The substance or mixture is not classified as specific target organ toxicant, single exposure.

Specific target organ toxicity – repeated exposure

The substance or mixture is not classified as specific target organ toxicant, repeated exposure.

11.3 Other information

Quantitative data on the toxicity of this product are not available.

Hazardous properties cannot be excluded, but are relatively improbable due to the compound's poor water solubility.

Our own experience has provided no indication of any hazardous potential.

Inhalation of the dusts should be avoided as even inert dusts may impair respiratory organ functions.

**SAFETY DATA SHEET**

According to 1907/2006/EC, Article 31

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Product code: Pearl Ex #681 Duo Blue-Green

12. ECOLOGICAL INFORMATION**12.1 Toxicity**

No information available.

12.2 Persistence and degradability

No information available.

12.3 Bioaccumulative potential

No information available.

12.4 Mobility in soil

No information available.

12.5 Results of PBT and vPvB assessment

PBT/vPvB assessment not available as chemical safety assessment not required/not conducted.

12.6 Other adverse effectsDischarge into the environment must be avoided.

13. DISPOSAL CONSIDERATIONS**13.1 Waste treatment methods**

Waste material must be disposed of in accordance with the Directive on waste 2008/98/EC as well as other national and local regulations.

Leave chemicals in original containers. Do not mix with other waste.

14. TRANSPORT INFORMATION**14.1 Land transport (ADR/RID/GGVSE)**

Not classified as dangerous in the meaning of transport regulations.

14.2 Sea transport(IMDG-Code/GGVSee)

Not classified as dangerous in the meaning of transport regulations.

14.3 Air transport (ICAO-IATA/DGR)

Not classified as dangerous in the meaning of transport regulations.

14.4 Special Precautions for User

No information available.

14.5 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC CodeNot relevant.

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Date: 10/12/2016

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