

**SDS****SAFETY DATA SHEET**

RUPERT, GIBBON & SPIDER - PO BOX 425, HEALDSBURG CA, 95448 TEL: (707) 433-9577 FAX: (707) 433-4906

SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1. Product Identifier**

Product name: Gum Arabic
Product code: JAC1648, JACU1648
Synonym: Acacia; Gum Acacia
Date: 5/16/2015
CI#: Not available
Chemical Name: Not available
Chemical Formula: Not available
CAS#: 9000-01-5

1.2. Intended Use of the Product

Use of the substance/preparation: Emulsifying, Gelling, Stabilizing and Thickening Agent

1.3. Name, Address, and Telephone of the Responsible Party

Contact Information
Rupert Gibbon & Spider, Inc.
1147 Healdsburg Ave.
Healdsburg, CA 95448
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

SECTION 2: Hazards identification**2.1. Classification of the substance or mixture**

Classification (GHS-US)
Combustible Dust

2.2. Label elements

Classification (GHS-US)

Signal word (GHS-US): Warning

Hazard statements (GHS-US): May form combustible dust concentrations in air

2.3. Other hazards

No additional information available

2.4. Unknown acute toxicity (GHS US)

No data available



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SECTION 3: Composition/information on ingredients

3.2. Mixtures

Name	Product identifier (CAS No.)	%
Gum Arabic	9000-01-5	Proprietary*

*The specific chemical concentration is being withheld as a trade secret

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general: If you feel unwell, seek medical advice (show the label where possible).

First-aid measures after inhalation: When symptoms occur: go into open air and ventilate suspected area.

First-aid measures after skin contact: Rinse with plenty of water.

First-aid measures after eye contact: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

First-aid measures after ingestion: Rinse mouth. Do NOT induce vomiting.

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

Symptoms/injuries: Not expected to present a significant hazard under anticipated conditions of normal use.

Symptoms/injuries after inhalation: Prolonged inhalation of dust may cause respiratory irritation.

Symptoms/injuries after skin contact: Dust may cause irritation in skin folds or by contact in combination with tight clothing.

Symptoms/injuries after eye contact: Dust from this product may cause minor eye irritation.

Symptoms/injuries after ingestion: None under normal use.

4.3 Indication of any immediate medical attention and special treatment needed No additional information available

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media: Foam. Dry powder. Carbon dioxide. Water spray. Sand.

Unsuitable extinguishing media: Do not use a heavy water stream.

5.2 Special hazards arising from the substance or mixture

Fire hazard: Combustible Dust. Dust explosion hazard in air. Supports combustion at high temperatures. Under conditions of fire this material may produce: Carbon dioxide. Carbon monoxide.

Explosion hazard: Avoid dust clouds in combination with static electricity. Dust clouds can be explosive.

Reactivity: Stable at ambient temperature and under normal conditions of use.

5.3 Advice for firefighters

Firefighting instructions: Exercise caution when fighting any chemical fire. Do not allow run-off from fire fighting to enter drains or water courses.

Protection during firefighting: Do not enter fire area without proper protective equipment, including respiratory protection.

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SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures**

General measures: Avoid generating dust. Handle in accordance with good industrial hygiene and safety practice. Good housekeeping is needed during storage, transfer, handling, and use of this material to avoid excessive dust accumulation.

6.1.1. For non-emergency personnel

Protective equipment: Use appropriate personal protection equipment (PPE).

Emergency procedures: Evacuate unnecessary personnel.

6.1.2. For emergency responders

Protective equipment: Equip cleanup crew with proper protection.

Emergency procedures: Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up: Collect spillage. Avoid generation of dust during clean-up of spills. Vacuum must be fitted with HEPA filter to prevent release of particulates during clean-up. Practice good housekeeping - spillage can be slippery on smooth surface either wet or dry.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage**7.1. Precautions for safe handling**

Precautions for safe handling: Take precautionary measures against static discharge.

Hygiene measures: Handle in accordance with good industrial hygiene and safety procedures.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions: Keep only in the original container in a cool, well ventilated place away from: Direct sunlight. Heat sources. Keep container closed when not in use. Protect from moisture.

Incompatible products: Strong bases. Strong acids.

7.3. Specific end use(s) Emulsifying, Gelling, Stabilizing and Thickening Agent

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SECTION 8: Exposure controls/personal protection**8.1. Control parameters**

Specific dusts not listed fall under Particulates Not Otherwise Regulated:

OSHA PEL (Respirable Dust): 5 mg/m³OSHA PEL (Total Dust): 15 mg/m³**8.2. Exposure controls**

Appropriate engineering controls:

Provide adequate ventilation to minimize dust concentrations. Ensure all national/local regulations are observed. Proper grounding procedures to avoid static electricity should be followed.

Personal protective equipment:

Dust formation: Dust mask. Gloves. Protective goggles.



Hand protection:

Wear protective gloves.

Eye protection:

Chemical goggles or safety glasses.

Respiratory protection:

Use NIOSH-approved air-purifying or supplied-air respirator where airborne concentrations of dust are expected to exceed exposure limits.

Other information:

When using, do not eat, drink or smoke.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties****Appearance:** White Off White / Characteristic**Odor:** Odorless**Odor threshold:** No data available**pH:** No data available**Relative evaporation rate (butyl acetate=1):** No data available**Melting point:** No data available**Freezing point:** No data available**Boiling point:** No data available**Flash Point:** No data available**Auto-ignition temperature:** No data available**Decomposition Temperature:** No data available**Flammability (solid, gas):** No data available**Vapor pressure:** No data available**Relative vapor density at 20 °C:** No data available**Relative density:** No data available

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Solubility: No data available**Log Pow:** Soluble in water.**Log Kow:** No data available**Viscosity, kinematic:** No data available**Viscosity, dynamic:** No data available**Explosive properties:** No data available**Oxidizing properties:** No data available**Explosive limits:** No data available**9.2. Other information** No additional information available**SECTION 10: Stability and reactivity****10.1. Reactivity**

Stable at ambient temperature and under normal conditions of use.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

Hazardous polymerization will not occur.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures. Protect from moisture. Use good housekeeping practices during storage, transfer, handling, to avoid excessive dust accumulation.

10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition productsUnder conditions of fire this material may produce: Carbon oxides (CO, CO₂).**SECTION 11: Toxicological information****11.1. Hazardous decomposition products****Skin corrosion/irritation:** Not classified**Serious eye damage/irritation:** Not classified**Respiratory or skin sensitization:** Not classified**Germ cell mutagenicity:** Not classified**Carcinogenicity:** Not classified**Reproductive toxicity:** Not classified**Specific target organ toxicity (single exposure):** Not classified**Specific target organ toxicity (repeated exposure):** Not classified**Aspiration hazard:** Not classified**Symptoms/injuries after inhalation:** Prolonged inhalation of dust may cause minor respiratory irritation.**Symptoms/injuries after skin contact:** Dust may cause minor irritation in skin folds or by contact in combination with tight clothing.**Symptoms/injuries after eye contact:** Dust from this product may cause minor eye irritation.

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Symptoms/injuries after ingestion: None under normal use.

SECTION 12: Ecological information

12.1. Toxicity No additional information available

12.2.

GUM ARABIC POWDER	
Persistence and degradability	Not established.

GUM ARABIC POWDER	
Bioaccumulative potential	Not established.

12.4. Mobility in soil No additional information available

12.5. Other adverse effects

Other information: Avoid release to the environment.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations: Dispose of waste material in accordance with all local, regional, national, and international regulations.

SECTION 14: Transport information

In accordance with ICAO/IATA/DOT/TDG

14.1. UN number Not applicable

14.2. UN proper shipping name Not regulated for transport.

14.3. Additional information

Other information: No supplementary information available.

Overland transport Not regulated for transport.

Transport by sea Not regulated for transport.

Air transport Not regulated for transport.

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SECTION 15: Regulatory information**15.1. US Federal regulations**

Gum Arabic (9000-01-5)
Listed on TSCA 8(b): Arabic Gum

15.2. International regulations

Gum Arabic (9000-01-5)
Canada- WHMIS: Class D-2A Material Causing other Toxic effects (Very Toxic)

15.3. US State regulations**SECTION 16: Other information****Data sources:**

This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200.

GHS Full Text Phrases: Comb. Dust Combustible Dust

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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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.

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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



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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 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.

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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

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According to Regulation (EC) No.1907/2006
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Product code: Pearl Ex #643 Pink Gold

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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 #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.

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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

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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 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.



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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

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Product code: Pearl Ex #645 Grey Lavender**Version 1.0-2015**

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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 #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 #654 Super Russet

Version 1.0-2015

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

1.1 Product Identifier

Trade name: Pearl Ex #654 Super Russet

Trade code: #654

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	52 ~ 60
Fe ₂ O ₃	Diiron Trioxide	1309-37-1	CI 77491	40 ~ 48

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 #654 Super Russet

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 #654 Super Russet

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 red 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 #654 Super Russet

Version 1.0-2015

Evaporation rate:	No information available.
Vapour pressure:	No information available.
Relative density:	2.6 ~ 3.2 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:	21 ~ 27 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 #654 Super Russet**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.

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**SAFETY DATA SHEET**

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

Product code: Pearl Ex #654 Super Russet

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 #658 Aztec Gold

Version 1.0-2015

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

1.1 Product Identifier

Trade name: Pearl Ex #658 Aztec Gold

Trade code: #658

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 #658 Aztec 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



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

Product code: Pearl Ex #658 Aztec 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 gold 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 #658 Aztec Gold

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 #658 Aztec 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 #658 Aztec 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 #663 Silver

Version 1.0-2015

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

Trade name: Pearl Ex #663 Silver

Trade code: #663

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-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	67 ~ 78
TiO ₂	Titanium dioxide	13463-67-7	CI 77891	22 ~ 30
Pigment black 7	Pigment black 7	147-14-8	CI 74160	≤ 3

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 #663 Silver

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

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Rupert, Gibbon & Spider, Inc.



SAFETY DATA SHEET

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

Product code: Pearl Ex #663 Silver

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 silver 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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Rupert, Gibbon & Spider, Inc.



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

Product code: Pearl Ex #663 Silver

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:	17~ 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

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Rupert, Gibbon & Spider, Inc.



SAFETY DATA SHEET

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

Product code: Pearl Ex #663 Silver

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.

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Rupert, Gibbon & Spider, Inc.



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

Product code: Pearl Ex #663 Silver

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 #687 True Blue

Version 1.0-2015

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

Trade name: Pearl Ex #687 True Blue

Trade code: #687

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	41-52
TiO2	Titanium dioxide	13463-67-7	CI 77891	48-56
Pigment Blue 15	Pigment Blue 15	147-14-8	CI 74160	≤ 3

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 #687 True 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 #687 True 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.



SAFETY DATA SHEET

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

Product code: Pearl Ex #687 True 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:	17~ 25 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 #687 True 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.

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Rupert, Gibbon & Spider, Inc.



SAFETY DATA SHEET

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

Product code: Pearl Ex #687 True 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 #691 Solar Gold

Version 1.0-2015

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

1.1 Product Identifier

Trade name: Pearl Ex #691 Solar Gold

Trade code: #691

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-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	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.

Rupert, Gibbon & Spider, Inc.

**SAFETY DATA SHEET**

According to Regulation (EC) No.1907/2006

Revision Date 5/6/2015

Product code: Pearl Ex #691 Solar 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 #691 Solar 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 gold 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 #691 Solar Gold

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

Rupert, Gibbon & Spider, Inc.

**SAFETY DATA SHEET**

According to Regulation (EC) No.1907/2006

Revision Date 5/6/2015

Product code: Pearl Ex #691 Solar 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 #691 Solar 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 sheetUsed 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 #694 Rose Gold

Version 1.0-2015

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

Trade name: Pearl Ex #694 Rose Gold

Trade code: #694

CAS number: Not available

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	59 ~ 67
Fe ₂ O ₃	Diiron Trioxide	1309-37-1	CI 77491	20 ~ 25
Ti O ₂	Titanium Dioxide	13463-627	77891	19 ~ 24
P Red 22	Pigment	6448-95-9	12315	≤ 5

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: 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 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.

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Evaporation rate:	No information available.
Vapour pressure:	No information available.
Relative density:	2.6 ~ 3.2 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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