

## MATERIAL SAFETY DATA SHEET

ANTIQUE SILVER PEARL PIGMENT

### 1. Identification

#### Product identifier

**Antique Silver PEARL**      Référence : NA-G-03

#### Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses: Colorants for industrial use

#### Details of the supplier of the safety data sheet

Company: Color Rare Ltd 105-1725 Atmec Gatineau, QC J8R 0E7  
Tel/Fax: 1-613-701-5022  
Email: info@colorare.com

#### Emergency telephone number

Canada Contact your local Provincial Poison Centre or 911

<http://www.capcc.ca/>

Ontario: 1-800-268-9017

Quebec: 1-800-463-5060

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### 2. Hazards Identification

#### Classification of the substance or mixture

According to UN GHS criteria

No need for classification according to GHS criteria for this product.

### **Label elements**

#### Globally Harmonized System (GHS)

The product does not require a hazard warning label in accordance with GHS criteria.

### **Other hazards**

#### According to UN GHS criteria

No specific dangers known, if the regulations/notes for storage and handling are considered.

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## **3. Composition/Information on Ingredients**

### **Substances**

Not applicable

### **Mixtures**

#### Chemical nature

Mica group minerals

metal oxides

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## **4. First-Aid Measures**

### **Description of first aid measures**

Remove contaminated clothing.

If inhaled:

If difficulties occur after dust has been inhaled, remove to fresh air and seek medical attention.

On skin contact:

Wash thoroughly with soap and water.

On contact with eyes:

Wash affected eyes for at least 15 minutes under running water with eyelids held open.

On ingestion:

Rinse mouth and then drink plenty of water.

### **Most important symptoms and effects, both acute and delayed**

Symptoms: No significant reaction of the human body to the product known.

Material Safety data sheet

Revision N°2

Product: **ANTIQUE SILVER PEARL**

Dated: 14 June 2023

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**Indication of any immediate medical attention and special treatment needed**

Treatment: Treat according to symptoms (decontamination, vital functions), no known specific antidote.

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**5. Fire-Fighting Measures**

**Extinguishing media**

Suitable extinguishing media:  
dry powder, foam

Unsuitable extinguishing media for safety reasons:  
carbon dioxide

**Special hazards arising from the substance or mixture**

No particular hazards known.

**Advice for fire-fighters**

Further information:

Dispose of fire debris and contaminated extinguishing water in accordance with official regulations.

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**6. Accidental Release Measures**

**Personal precautions, protective equipment and emergency procedures**

Avoid dust formation.

**Environmental precautions**

Do not empty into drains.

**Methods and material for containment and cleaning up**

For small amounts: Pick up with suitable appliance and dispose of.

For large amounts: Pick up with suitable appliance and dispose of.

**Reference to other sections**

Information regarding exposure controls/personal protection and disposal considerations can be found in section 8 and 13.

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**7. Handling and Storage**

**Precautions for safe handling**

Breathing must be protected when large quantities are decanted without local exhaust ventilation.  
Avoid contact with the skin, eyes and clothing.

Protection against fire and explosion:

No special precautions necessary.

Material Safety data sheet

Revision N°2

Product: **ANTIQUE SILVER PEARL**

Dated: 14 June 2023

### **Conditions for safe storage, including any incompatibilities**

Further information on storage conditions: No special precautions necessary.

### **Specific end use(s)**

For the relevant identified use(s) listed in Section 1 the advice mentioned in this section 7 is to be observed.

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## **8. Exposure Controls/Personal Protection**

### **Exposure controls**

#### Personal protective equipment

##### Respiratory protection:

Suitable respiratory protection for lower concentrations or short-term effect: Particle filter with medium efficiency for solid and liquid particles (e.g. EN 143 or 149, Type P2 or FFP2)

##### Hand protection:

Chemical resistant protective gloves (EN 374)

Suitable materials also with prolonged, direct contact (Recommended: Protective index 6, corresponding > 480 minutes of permeation time according to EN 374):

e.g. nitrile rubber (0.4 mm), chloroprene rubber (0.5 mm), polyvinylchloride (0.7 mm) and other

Supplementary note: The specifications are based on tests, literature data and information of glove manufacturers or are derived from similar substances by analogy. Due to many conditions (e.g. temperature) it must be considered, that the practical usage of a chemical-protective glove in practice may be much shorter than the permeation time determined through testing.

Manufacturer's directions for use should be observed because of great diversity of types.

##### Eye protection:

Safety glasses with side-shields (frame goggles) (e.g. EN 166)

#### General safety and hygiene measures

Handle in accordance with good industrial hygiene and safety practice. Due to the colouring properties of the product closed work clothes should be used, to avoid stains during manipulation. Hands and/or face should be washed before breaks and at the end of the shift.

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## **9. Physical and Chemical Properties**

### **Information on basic physical and chemical properties**

Form:	powder
Colour:	greyish
Odour:	odourless
Odour threshold:	not determined
pH value:	6,0 - 10,5

Material Safety data sheet

Revision N°2

Product: **ANTIQUÉ SILVER PEARL**

Dated:14 June 2023

Melting temperature:	> 1.000 °C The substance / product decomposes.
Boiling point:	not applicable, solid with a melting temperature over 300 °C
Flash point:	Study does not need to be conducted.
Evaporation rate:	The product is a non-volatile solid.
Flammability:	not flammable
Lower explosion limit:	For solids not relevant for classification and labelling.
Upper explosion limit:	For solids not relevant for classification and labelling.
Ignition temperature:	Study does not need to be conducted.
Vapour pressure:	not applicable
Density:	3,1 g/cm <sup>3</sup> (approx. 20 °C)
Relative density:	3,1 (approx. 20 °C)
Relative vapour density (air):	The product is a non-volatile solid.
Solubility in water:	insoluble
Partitioning coefficient n-octanol/water (log Kow):	Study does not need to be conducted.
Self ignition:	not self-igniting
Thermal decomposition:	No decomposition if stored and handled as prescribed/indicated.
Viscosity, dynamic:	Study does not need to be conducted.
Explosion hazard:	not explosive
Fire promoting properties:	not fire-propagating

### **Other information**

Self heating ability:	It is not a substance capable of spontaneous heating.
Bulk density:	155 kg/m <sup>3</sup>
Hygroscopy:	Non-hygroscopic
Grain size distribution	4 - 90 µm (D95)

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## 10. Stability and Reactivity

### Reactivity

No hazardous reactions if stored and handled as prescribed/indicated.

### Chemical stability

The product is chemically stable.

### Possibility of hazardous reactions

No hazardous reactions when stored and handled according to instructions.

### Conditions to avoid

Avoid dust formation. Avoid deposition of dust. No special precautions other than good housekeeping of chemicals.

### Incompatible materials

Substances to avoid:

No substances known that should be avoided.

### Hazardous decomposition products

Hazardous decomposition products:

No hazardous decomposition products if stored and handled as prescribed/indicated.

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## 11. Toxicological Information

### Information on toxicological effects

#### Acute toxicity

Experimental/calculated data:

LD50 rat (oral): > 5.000 mg/kg

The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

LC50 (by inhalation):

not determined

LD50 (dermal):

not determined

#### Irritation

Experimental/calculated data:

Material Safety data sheet

Revision N°2

Product: **ANTIQUÉ SILVER PEARL**

Dated: 14 June 2023

Skin corrosion/irritation rabbit: non-irritant

The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

Serious eye damage/irritation rabbit: non-irritant

The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

#### Respiratory/Skin sensitization

Assessment of sensitization:

The chemical structure does not suggest a sensitizing effect.

#### Germ cell mutagenicity

Assessment of mutagenicity:

No data was available concerning mutagenic activity. The chemical structure does not suggest a specific alert for such an effect.

#### Carcinogenicity

Assessment of carcinogenicity:

Based on our experience and the information available, no adverse health effects are expected if handled as recommended with suitable precautions for designated uses. The product has not been tested. The statement has been derived from the properties of the individual components.

*Information on: Titanium dioxide*

*Assessment of carcinogenicity:*

*IARC (International Agency for Research on Cancer) has classified this substance as group 2B (The agent is possibly carcinogenic to humans). In long-term studies in rats in which the substance was given by inhalation, a carcinogenic effect was observed. Tumors were only observed in rats after chronic inhalative exposure to high concentrations which caused sustained lung inflammation. In long-term studies in rats and mice in which the substance was given by feed, a carcinogenic effect was not observed. Dermal exposure is not expected to be carcinogenic.*

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#### Reproductive toxicity

Assessment of reproduction toxicity:

No reliable data are available concerning reproduction toxicity.

#### Developmental toxicity

Assessment of teratogenicity:

No reliable data was available concerning teratogenicity.

#### Specific target organ toxicity (single exposure)

Remarks: No data available.

#### Repeated dose toxicity and Specific target organ toxicity (repeated exposure)

Material Safety data sheet

Revision N°2

Product: **ANTIQUÉ SILVER PEARL**

Dated: 14 June 2023

Assessment of repeated dose toxicity:

Prolonged or repeated exposure may cause pulmonary problems. The product has not been tested. The statement has been derived from the properties of the individual components.

Aspiration hazard

not applicable

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## 12. Ecological Information

### Toxicity

Assessment of aquatic toxicity:

At the present state of knowledge, no negative ecological effects are expected.

The product has not been tested. The statement has been derived from the properties of the individual components.

Toxicity to fish:

LC50 (96 h) > 100 mg/l, Fish

The product has not been tested. The statement has been derived from the properties of the individual components.

Aquatic invertebrates:

LC50 (48 h), daphnia  
not determined

Aquatic plants:

EC50 (72 h), algae  
not determined

Microorganisms/Effect on activated sludge:

EC50 (0,5 h), bacteria  
not determined

Chronic toxicity to fish:

No data available.

Chronic toxicity to aquatic invertebrates:

No data available.

Assessment of terrestrial toxicity:

No data available concerning terrestrial toxicity.

### Persistence and degradability

Assessment biodegradation and elimination (H<sub>2</sub>O):

The colourant is insoluble in water and can thus be separated from water mechanically in suitable effluent treatment plant



Material Safety data sheet

Revision N°2

Product: **ANTIQUÉ SILVER PEARL**

Dated:14 June 2023

### **Bioaccumulative potential**

Assessment bioaccumulation potential:

The product will not be readily bioavailable due to its consistency and insolubility in water. The product has not been tested. The statement has been derived from the properties of the individual components.

### **Mobility in soil**

Assessment transport between environmental compartments:

Volatility: No data available.

### **Additional information**

Add. remarks environm. fate & pathway:

Treatment in biological waste water treatment plants has to be performed according to local and administrative regulations.

Other ecotoxicological advice:

The inhibition of the degradation activity of activated sludge is not anticipated when introduced to biological treatment plants in appropriate low concentrations. The product has not been tested. The statement has been derived from the properties of the individual components.

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## **13. Disposal Considerations**

### **Waste treatment methods**

Must be disposed of or incinerated in accordance with local regulations.

Contaminated packaging:

Uncontaminated packaging can be re-used.

Packs that cannot be cleaned should be disposed of in the same manner as the contents.

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## **14. Transport Information**

### **Land transport**

ADR

	Not classified as a dangerous good under transport regulations
UN number:	Not applicable
UN proper shipping name:	Not applicable
Transport hazard class(es):	Not applicable
Packing group:	Not applicable
Environmental hazards:	Not applicable

Material Safety data sheet

Revision N°2

Product: **ANTIQUÉ SILVER PEARL**

Dated:14 June 2023

Special precautions for user      None known

RID

Not classified as a dangerous good under transport regulations

UN number:                      Not applicable  
UN proper shipping name:    Not applicable  
Transport hazard class(es):   Not applicable  
Packing group:                Not applicable  
Environmental hazards:        Not applicable  
Special precautions for user   None known

#### **Inland waterway transport**

ADN

Not classified as a dangerous good under transport regulations

UN number:                      Not applicable  
UN proper shipping name:    Not applicable  
Transport hazard class(es):   Not applicable  
Packing group:                Not applicable  
Environmental hazards:        Not applicable  
Special precautions for user:   None known

#### **Transport in inland waterway vessel**

Not evaluated

#### **Sea transport**

IMDG

Not classified as a dangerous good under transport regulations

UN number:                      Not applicable  
UN proper shipping name:    Not applicable  
Transport hazard class(es):   Not applicable  
Packing group:                Not applicable  
Environmental hazards:        Not applicable  
Special precautions for user   None known

#### **Air transport**

IATA/ICAO

Not classified as a dangerous good under transport regulations

Material Safety data sheet

Revision N°2

Product: **ANTIQUE SILVER PEARL**

Dated:14 June 2023

UN number:	Not applicable
UN proper shipping name:	Not applicable
Transport hazard class(es):	Not applicable
Packing group:	Not applicable
Environmental hazards:	Not applicable
Special precautions for user	None known

#### **UN number**

See corresponding entries for “UN number” for the respective regulations in the tables above.

#### **UN proper shipping name**

See corresponding entries for “UN proper shipping name” for the respective regulations in the tables above.

#### **Transport hazard class(es)**

See corresponding entries for “Transport hazard class(es)” for the respective regulations in the tables above.

#### **Packing group**

See corresponding entries for “Packing group” for the respective regulations in the tables above.

#### **Environmental hazards**

See corresponding entries for “Environmental hazards” for the respective regulations in the tables above.

#### **Special precautions for user**

See corresponding entries for “Special precautions for user” for the respective regulations in the tables above.

#### **Transport in bulk according to Annex II of MARPOL and the IBC Code**

Regulation:	Not evaluated
Shipment approved:	Not evaluated
Pollution name:	Not evaluated
Pollution category:	Not evaluated
Ship Type:	Not evaluated

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### **15. Regulatory Information**

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

Not applicable

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### **16. Other Information**

Material Safety data sheet

Revision N°2

Product: **ANTIQUE SILVER PEARL**

Dated:14 June 2023

The data contained in this safety data sheet are based on our current knowledge and experience and describe the product only with regard to safety requirements. The data do not describe the product's properties (product specification). Neither should any agreed property nor the suitability of the product for any specific purpose be deduced from the data contained in the safety data sheet. It is the responsibility of the recipient of the product to ensure any proprietary rights and existing laws and legislation are observed.

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