

Material Safety Data Sheet (MSDS)

## Safety Data Sheet

### Bismuth Oxychloride Pearl

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#### 1. Identification

Product identifier used on the label

**Bismuth Oxychloride Pearl**

**Recommended use of the chemical and restriction on use**

Recommended use\*: cosmetics

\* The "Recommended use" identified for this product is provided solely to comply with a US Federal requirement and is not part of the seller's published specification. The terms of this Safety Data Sheet (SDS) do not create or infer any warranty, express or implied, including by incorporation into or reference in the seller's sales agreement.

Chemical family: inorganic pigment

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#### 2. Hazards Identification

**According to Regulation 2012 OSHA Hazard Communication Standard; 29 CFR Part 1910.1200**

**Classification of the product**

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

**Label elements**

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

**According to Regulation 1994 OSHA Hazard Communication Standard; 29 CFR Part 1910.1200**

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### Emergency overview

No adverse health effects are anticipated if recommended personal protective equipment and industrial hygiene practices are used.

### 3. Composition / Information on Ingredients

#### According to Regulation 2012 OSHA Hazard Communication Standard; 29 CFR Part 1910.1200

This product does not contain any components classified as hazardous under the referenced regulation.

#### According to Regulation 1994 OSHA Hazard Communication Standard; 29 CFR Part 1910.1200

The product contains:

<u>CAS Number</u>	<u>Content (W/W)</u>	<u>Chemical name</u>
7787-59-9	98.0 %	Bismuthine, chlorooxo-

### 4. First-Aid Measures

#### Description of first aid measures

##### General advice:

Remove contaminated clothing.

##### If inhaled:

Keep patient calm, remove to fresh air. If breathing difficulties develop, aid in breathing and seek immediate medical attention.

##### If on skin:

Wash thoroughly with soap and water. If irritation develops, seek medical attention.

##### If in eyes:

In case of contact with the eyes, rinse immediately for at least 15 minutes with plenty of water. If irritation develops, seek medical attention.

##### If swallowed:

Rinse mouth and then drink plenty of water. Do not induce vomiting. Never induce vomiting or give anything by mouth if the victim is unconscious or having convulsions.

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

Symptoms: No significant symptoms are expected due to the non-classification of the product.

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

##### Note to physician

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

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### Fire-Fighting Measures

#### Extinguishing media

Additional information:

Use extinguishing measures to suit surroundings.

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

Hazards during fire-fighting:

No particular hazards known.

#### Advice for fire-fighters

Protective equipment for fire-fighting:

Firefighters should be equipped with self-contained breathing apparatus and turn-out gear.

Further information:

Product itself is non-combustible; fire extinguishing method of surrounding areas must be considered.

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## 6. Accidental release measures

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

Use personal protective clothing. Avoid dust formation. Ensure adequate ventilation. Information regarding personal protective measures see, section 8.

#### Environmental precautions

Do not discharge into drains/surface waters/groundwater. Discharge into the environment must be avoided.

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

Avoid raising dust. Reclaim for processing if possible. Sweep up or vacuum small pieces and dusts and place in appropriate container for disposal.

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## 7. Handling and Storage

#### Precautions for safe handling

Avoid dust formation. Ensure thorough ventilation of stores and work areas. Breathing must be protected when large quantities are decanted without local exhaust ventilation. Avoid contact with the skin, eyes and clothing.

Ensure adequate ventilation. Forms slippery surfaces with water.

Protection against fire and explosion:

No special precautions necessary.

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

Suitable materials for containers: High density polyethylene (HDPE), Low density polyethylene (LDPE)

Further information on storage conditions: Keep container tightly closed and dry; store in a cool place. Protect from direct sunlight.

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### 8. Exposure Controls/Personal Protection

#### Personal protective equipment

##### **Respiratory protection:**

Wear a NIOSH-certified (or equivalent) particulate respirator. Observe OSHA regulations for respirator use (29 CFR 1910.134).

##### **Hand protection:**

Wear chemical resistant protective gloves.

##### **Eye protection:**

Safety glasses with side-shields.

##### **Body protection:**

Body protection must be chosen depending on activity and possible exposure, e.g. apron, protecting boots, chemical-protection suit (according to EN 14605 in case of splashes or EN ISO 13982 in case of dust).

##### **General safety and hygiene measures:**

Handle in accordance with good industrial hygiene and safety practice. In order to prevent contamination while handling, closed working clothes and working gloves should be used. Hands and/or face should be washed before breaks and at the end of the shift.

### 9. Physical and Chemical Properties

Form:	powder	
Odour:	odourless	
Odour threshold:		not determined
Colour:	white to silver	
pH value:	4.0 - 8.0	
Melting point:		The substance / product decomposes.
Boiling point:		not applicable
Flash point:		not applicable
Flammability:	not flammable	
Lower explosion limit:		Study does not need to be conducted.
Upper explosion limit:		Study does not need to be conducted.
Autoignition:		not applicable
Vapour pressure:		not applicable
Density:	7.7 g/ml	(20 °C)
Relative density:	7.7	
Bulk density:	427 - 610 kg/m <sup>3</sup>	
Vapour density:		The product is a non-volatile solid.
Partitioning coefficient n-octanol/water (log Pow):		The value has not been determined because the substance is inorganic.
Self-ignition temperature:		Based on its structural properties the product is not classified as self-igniting.
Thermal decomposition:	No decomposition if stored and handled as prescribed/indicated.	
Viscosity, dynamic:		Study does not need to be conducted.
Particle size:	D95 6 - 15 µm	
Solubility in water:		insoluble
Evaporation rate:		The product is a non-volatile solid.

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### 10. Stability and Reactivity

#### Reactivity

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

Corrosion to metals:

No corrosive effect on metal.

Oxidizing properties:

Based on its structural properties the product is not classified as oxidizing.

#### Chemical stability

The product is chemically stable.

#### Possibility of hazardous reactions

Hazardous polymerization will not occur.

No hazardous reactions when stored and handled according to instructions.

#### Conditions to avoid

Avoid dust formation. Avoid deposition of dust. See MSDS section 7 - Handling and storage.

#### Incompatible materials

acids, oxidizing agents

#### Hazardous decomposition products

Decomposition products:

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

Thermal decomposition:

No decomposition if stored and handled as prescribed/indicated.

### 11. Toxicological information

#### Primary routes of exposure

Routes of entry for solids and liquids are ingestion and inhalation, but may include eye or skin contact. Routes of entry for gases include inhalation and eye contact. Skin contact may be a route of entry for liquefied gases.

#### Acute Toxicity/Effects

##### Acute toxicity

Assessment of acute toxicity: Virtually nontoxic after a single ingestion. The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

##### Oral

Type of value: LD50

Species: rat

Value: > 5,000 mg/kg

##### Assessment other acute effects

Assessment of STOT single:

Based on available Data, the classification criteria are not met.

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### Irritation / corrosion

Assessment of irritating effects: Contact with powders or dusts may irritate the eyes, skin and respiratory tract.

### Sensitization

Assessment of sensitization: Skin sensitizing effects were not observed in animal studies. The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

### Aspiration Hazard

No aspiration hazard expected.

## **Chronic Toxicity/Effects**

### Genetic toxicity

Assessment of mutagenicity: The chemical structure does not suggest a specific alert for such an effect.

### Carcinogenicity

Assessment of carcinogenicity: The chemical structure does not suggest a specific alert for such an effect.

### Reproductive toxicity

Assessment of reproduction toxicity: The chemical structure does not suggest a specific alert for such an effect.

### Teratogenicity

Assessment of teratogenicity: No data was available concerning toxicity to development.

### Other Information

Based on our experience and the information available, no adverse health effects are expected if handled as recommended with suitable precautions for designated uses.

## **Symptoms of Exposure**

No significant symptoms are expected due to the non-classification of the product.

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## **12. Ecological Information**

### **Toxicity**

#### Aquatic toxicity

Assessment of aquatic toxicity:

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

#### Assessment of terrestrial toxicity

No data available concerning terrestrial toxicity.

### **Persistence and degradability**

#### Assessment biodegradation and elimination (H2O)

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

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### Bioaccumulative potential

#### Assessment bioaccumulation potential

The product will not be readily bioavailable due to its consistency and insolubility in water.

### Mobility in soil

#### Assessment transport between environmental compartments

not applicable

### Additional information

Adsorbable organically-bound halogen (AOX):  
This product contains no organically-bound halogen.

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 product has not been tested. The statements on ecotoxicology have been derived from products of a similar structure and composition.

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## 13. Disposal considerations

#### **Waste disposal of substance:**

Dispose of in accordance with national, state and local regulations. This product does not possess any of the four identifying characteristics of hazardous waste (ignitability, corrosivity, reactivity, or toxicity). Disposal requirements are dependent on the hazard classification and will vary by location and the type of disposal selected.

#### **Container disposal:**

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**

USDOT

Not classified as a dangerous good under transport regulations

#### **Sea transport**

IMDG

Not classified as a dangerous good under transport regulations

#### **Air transport**

IATA/ICAO

Not classified as a dangerous good under transport regulations

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## 15. Regulatory Information

#### Federal Regulations

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### Registration status:

Chemical TSCA, US released / listed

Cosmetic TSCA, US released / exempt

EPCRA 311/312 (Hazard categories): Not hazardous;

### NFPA Hazard codes:

Health : 0 Fire: 0 Reactivity: 0 Special:

### HMIS III rating

Health: 0 Flammability: 0 Physical hazard: 0

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## 16. Other Information

### SDS Prepared by:

TKB Trading, LLC

SDS Prepared on: 2014/07/27

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END OF DATA SHEET