

# Safety Data Sheet

## Bronze Reflecks

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### 1. Identification

Product identifier used on the label

## Bronze Reflecks

**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.

**Details of the supplier of the safety data sheet**

Supplier:

TKB TRADING, LLC  
1101 9th Avenue  
Oakland, CA 94606, USA

Telephone: +1 510 451 9011

**Other means of identification**

Chemical family: metal oxides

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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**

## Emergency overview

### CAUTION:

Prolonged and repeated exposure of dust may cause lung damage.  
Avoid inhalation of dusts.  
Ensure adequate ventilation.

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## 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>
65997-17-3	93.0 - 98.0 %	Glass, oxide, chemicals
1309-37-1	2.0 - 6.0 %	Iron oxide
18282-10-5	0.0 - < 1.0 %	Tin oxide (SnO <sub>2</sub> )

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## 4. First-Aid Measures

### Description of first aid measures

#### General advice:

Remove contaminated clothing.

#### If inhaled:

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

#### If on skin:

Wash thoroughly with soap and water.

#### If in eyes:

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

#### If swallowed:

Rinse mouth and then drink plenty of water.

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

Symptoms: The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11.

### 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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### 5. 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.

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.

Wear appropriate respiratory protection. Use personal protective clothing. Ensure adequate ventilation.

#### Environmental precautions

Do not empty into drains.

This product is not regulated by RCRA. This product is not regulated by CERCLA ('Superfund').

#### 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.

Spills should be contained and placed in suitable containers for disposal.

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### 7. Handling and Storage

#### Precautions for safe handling

Closed containers should only be opened in well-ventilated areas.

Protection against fire and explosion:

No special precautions necessary.

See MSDS section 5 - Fire fighting measures. Prevent electrostatic charge accumulation.

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

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Further information on storage conditions: No special precautions necessary.

### 8. Exposure Controls/Personal Protection

#### Components with occupational exposure limits

Iron oxide	OSHA PEL ACGIH TLV	PEL 10 mg/m <sup>3</sup> fumes/smoke ; TWA value 5 mg/m <sup>3</sup> Respirable fraction ;
Tin oxide (SnO <sub>2</sub> )	ACGIH TLV	TWA value 2 mg/m <sup>3</sup> (tin (Sn));
Glass, oxide, chemicals	ACGIH TLV	TWA value 5 mg/m <sup>3</sup> Inhalable fraction ; TWA value 1 fibers/cm <sup>3</sup> Fiber ; Respirable fibers: length > 5 micrometers; aspect ratio >= 3:1, as determined by the membrane filter method at 400-450X magnification (4-mm objective), using phase-contrast illumination.

#### Personal protective equipment

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

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

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

Chemical resistant protective gloves

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

Safety glasses with side-shields.

##### **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. Wash soiled clothing immediately.

### 9. Physical and Chemical Properties

Form:	powder	
Odour:	odourless	
Colour:	bronze colour	
pH value:	7.0 - 11.0	( 4 %(m))
Melting point:		The substance / product decomposes.
Flash point:		not applicable
Flammability:	not flammable	
Autoignition:		not applicable
Vapour pressure:		not applicable
Density:	2.8 kg/l	( 20 °C)
Relative density:	2.8	
Bulk density:	650 kg/m <sup>3</sup>	
Self-ignition temperature:		not self-igniting
Thermal decomposition:	not determined	

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Particle size:	D10 57 µm D50 105 µm D90 189 µm	
Solubility in water:		insoluble
Solubility (quantitative):		insoluble

## 10. Stability and Reactivity

### Reactivity

Oxidizing properties:  
not fire-propagating

### Chemical stability

#### Possibility of hazardous reactions

No hazardous reactions when stored and handled according to instructions.  
The product is chemically stable.  
Hazardous polymerization will not occur.

#### Conditions to avoid

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

#### Incompatible materials

No substances known that should be avoided.

#### Hazardous decomposition products

Decomposition products:

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

Thermal decomposition:  
not determined

## 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. Product may present a nuisance dust hazard.

*Information on: Iron oxide*

*Assessment of acute toxicity:*

*Virtually nontoxic after a single ingestion.*  
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#### Oral

Type of value: LD50

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Species: rat

Value: > 2,000 mg/kg

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

### Inhalation

Type of value: LC50

not determined

### Dermal

Type of value: LD50

not determined

### Irritation / corrosion

Assessment of irritating effects: Inhalation of dust may cause respiratory tract irritation, coughing and breathing difficulties. Contact with the eyes or skin may cause mechanical irritation.

### Skin

May cause mechanical irritation.

### Eye

May cause mechanical irritation.

Sensitization

No data available.

## **Chronic Toxicity/Effects**

### Repeated dose toxicity

Assessment of repeated dose toxicity: Prolonged or repeated exposure may cause pulmonary problems.

*Information on: Iron oxide*

*Assessment of repeated dose toxicity: The substance may cause increase in lung mass and lung tissue changes after repeated inhalation. The product has not been fully tested. The statements have been derived in parts from products of a similar structure or composition.*

*Chronic exposures have been known to produce pneumoconiosis (chronic inflammatory and fibrotic lung disease).*

### Other Information

The product has not been tested. The statements on toxicology have been derived from the properties of the individual components. The product has been assessed on the basis of the components' available data. To some extent data gaps exist for individual components. According to our present knowledge and experience dangers which are not covered by the current labeling are not to be expected.

## **Symptoms of Exposure**

The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11.

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## **12. Ecological Information**

### **Toxicity**

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### Aquatic toxicity

Assessment of aquatic toxicity:

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

### Toxicity to fish

LC50 (96 h), Fish  
not determined

### Aquatic invertebrates

LC50 (48 h), daphnia  
not determined

### Aquatic plants

EC50 (72 h), algae  
not determined

### Chronic toxicity to fish

No data available.

### Chronic toxicity to aquatic invertebrates

No data available.

## **Microorganisms/Effect on activated sludge**

### Toxicity to microorganisms

bacteria/EC50 (0.5 h):  
not determined

## **Persistence and degradability**

### Assessment biodegradation and elimination (H2O)

The product is virtually insoluble in water and can thus be separated from water mechanically in suitable effluent treatment plants.

## **Additional information**

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 disposal of substance:**

Dispose of in a licensed facility. Do not discharge into drains/surface waters/groundwater. It is the waste generator's responsibility to determine if a particular waste is hazardous under RCRA.

### **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

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### 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

#### Registration status:

Cosmetic TSCA, US released / exempt

### State regulations

#### CA Prop. 65:

THIS PRODUCT CONTAINS A CHEMICAL(S) KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER.

#### NFPA Hazard codes:

Health : 1 Fire: 0 Reactivity: 0 Special:

#### HMIS III rating

Health: 1 Flammability: 0 Physical hazard: 0

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## 16. Other Information

SDS Prepared on: 2014/07/27

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