

# Safety Data Sheet

## HILITE RED

Revision date : 2012/06/01  
Version: 1.1

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(55587182/SDS\_COS\_US/EN)

### 1. Product and Company Identification

**Supplier:**  
TKB TRADING, LLC  
1101 9th Avenue  
Oakland, CA 94606, USA  
Telephone: +1 510 922 9027

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INCI Name: Mica (and) Titanium Dioxide

### 2. Hazards Identification

#### Emergency overview

**WARNING:**  
May cause cancer by inhalation.  
Contains a suspect carcinogen.  
Prolonged or repeated exposure may cause pulmonary problems.

State of matter: solid  
Colour: off-white with pale red reflection  
Odour: odourless

#### Potential health effects

##### **Primary routes of exposure:**

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

##### **Irritation / corrosion:**

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

##### **Chronic toxicity:**

**Repeated dose toxicity:** Prolonged or repeated exposure may cause pulmonary problems.

##### **Medical conditions aggravated by overexposure:**

Inhalation of dust could aggravate existing respiratory conditions.

##### **Signs and symptoms of overexposure:**

Further important symptoms and effects are so far not known.  
The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11.

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### Potential environmental effects

#### **Aquatic toxicity:**

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

### 3. Composition / Information on Ingredients

<u>CAS Number</u>	<u>Content (W/W)</u>	<u>Chemical name</u>
12001-26-2	45.0 - 58.0 %	Mica-group minerals
1317-80-2	42.0 - 53.0 %	Rutile (TiO <sub>2</sub> )
18282-10-5	0.0 - 2.0 %	Tin oxide (SnO <sub>2</sub> )

### 4. 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 irritation develops, seek medical attention.

#### **If in eyes:**

Wash affected eyes for at least 15 minutes under running water with eyelids held open. 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. Seek medical attention if necessary.

#### **Note to physician**

Treatment:

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

### 5. Fire-Fighting Measures

Flash point:

not applicable

Autoignition:

not applicable

Flammability:

does not ignite

#### **Suitable extinguishing media:**

dry powder, foam

#### **Unsuitable extinguishing media for safety reasons:**

carbon dioxide

#### **Hazards during fire-fighting:**

No particular hazards known.

#### **Protective equipment for fire-fighting:**

Wear a self-contained breathing apparatus.

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### Further information:

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

If exposed to fire, keep containers cool by spraying with water.

## 6. Accidental release measures

### Personal precautions:

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').

### Cleanup:

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.

## 7. Handling and Storage

### Handling

#### General advice:

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

Avoid dust formation. 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.

### Storage

#### General advice:

Keep in a cool place. Keep container dry.

## 8. Exposure Controls and Personal Protection

### Components with workplace control parameters

Tin oxide (SnO<sub>2</sub>)

	ACGIH	TWA value	2 mg/m <sup>3</sup> (tin (Sn));
Mica-group minerals	OSHA	TWA value	20 millions of particles per cubic foot of air ;
	ACGIH	TWA value	3 mg/m <sup>3</sup> Respirable fraction ;

### Personal protective equipment

#### Respiratory protection:

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

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**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:	off-white with pale red reflection	
pH value:	7.0 - 11.0	( 4 %(m))
Melting point:		The substance / product decomposes.
Density:	3.23 g/cm3	(approx. 20 °C)
Relative density:	3.23	
Bulk density:	210 kg/m3	
Particle size:	D95 6 - 48 µm	
Solubility in water:		insoluble
Solubility in other solvents:		insoluble
Other Information:	If necessary, information on other physical and chemical parameters is indicated in this section.	

## 10. Stability and Reactivity

**Conditions to avoid:**

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

**Substances to avoid:**

No substances known that should be avoided.

**Hazardous reactions:**

No hazardous reactions when stored and handled according to instructions.

The product is chemically stable.

Hazardous polymerization will not occur.

**Decomposition products:**

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

**Thermal decomposition:**

No data available.

**Corrosion to metals:**

No corrosive effect on metal.

## 11. Toxicological information

**Acute toxicity****Oral:**

Type of value: LD50

Species: rat

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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**

**Skin:**

May cause mechanical irritation.

**Eye:**

May cause mechanical irritation.

**Carcinogenicity**

*Information on: Rutile (TiO<sub>2</sub>)*

*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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## 12. Ecological Information

**Fish**

Acute:

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

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

Chronic:

No data available.

**Aquatic invertebrates**

Acute:

daphnia/LC50 (48 h):

not determined

Chronic:

No data available.

**Aquatic plants**

Toxicity to aquatic plants:

algae/EC50 (72 h):

not determined

**Microorganisms**

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Toxicity to microorganisms:  
bacteria/EC50 (0.5 h):  
not determined

### **Degradability / Persistence** **Biological / Abiological Degradation**

Evaluation: Not readily biodegradable (by OECD criteria).  
The colourant is insoluble in water and can thus be separated from water mechanically in suitable effluent treatment plant

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## 13. Disposal considerations

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

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

### **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:**

Chemical TSCA, US released / listed

Cosmetic TSCA, US released / exempt

**OSHA hazard category:** IARC 1, 2A or 2B carcinogen; Chronic target organ effects reported; OSHA PEL established; ACGIH TLV established

**EPCRA 311/312 (Hazard categories):** Acute; Chronic

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### State regulations

<u>State RTK</u>	<u>CAS Number</u>	<u>Chemical name</u>
MA, NJ, PA	12001-26-2	Mica-group minerals
PA	1317-80-2	Rutile (TiO <sub>2</sub> )
MA, NJ	18282-10-5	Tin oxide (SnO <sub>2</sub> )

### **CA Prop. 65:**

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

## 16. Other Information

### **HMIS III rating**

Health: 1 $\square$  Flammability: 0 Physical hazard: 0

NFPA and HMIS use a numbering scale ranging from 0 to 4 to indicate the degree of hazard. A value of zero means that the substance possesses essentially no hazard; a rating of four indicates extreme danger. Although similar, the two rating systems are intended for different purposes, and use different criteria. The NFPA system was developed to provide an on-the-spot alert to the hazards of a material, and their severity, to emergency responders. The HMIS system was designed to communicate workplace hazard information to employees who handle hazardous chemicals.

MSDS Prepared on: 2012/06/01

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