

## SAFETY DATA SHEET

**Product Name: Satin Pearl aka Fine White Mica**

Version: 1.3

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(30322407/SDS COS US/EN)

### 1. Product and Company Identification

TKB Trading  
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### 2. Hazards Identification

#### Emergency overview

##### **WARNING:**

May cause cancer by inhalation.

Contains a suspect carcinogen.

**PROLONGED OR REPEATED EXPOSURE MAY CAUSE LUNG DAMAGE.**

Avoid inhalation of dusts.

Ensure adequate ventilation.

State of matter: solid

Colour: white to grey

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:**

**Carcinogenicity:** May cause cancer by inhalation. Contains a compound classified as IARC Group 2B (possibly carcinogenic to humans).

**Repeated dose toxicity:** Prolonged and repeated exposure of dust may cause lung damage.

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

Inhalation of dust could aggravate existing respiratory conditions.

#### Potential environmental effects

**Aquatic toxicity:**

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

### 3. Composition / Information on Ingredients

<u>CAS Number</u>	<u>Content (W/W)</u>	<u>Chemical name</u>
12001-26-2	50.0 - 60.0 %	Mica-group minerals
13463-67-7	40.0 - 50.0 %	Titanium dioxide

### 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. 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:	(DIN 51794) not applicable
Flammability:	does not ignite
Self-ignition temperature:	not self-igniting

**Additional information:**

Use extinguishing measures to suit surroundings.

**Hazards during fire-fighting:**

No particular hazards known.

**Protective equipment for fire-fighting:**

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

**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:**

Avoid dust formation. Ensure adequate ventilation. Wear suitable personal protective clothing and equipment.

**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

Titanium dioxide	OSHA	PEL 15 mg/m3 Total dust ;
	ACGIH	TWA value 10 mg/m3 ;
Mica-group minerals	OSHA	TWA value 20 millions of particles per cubic foot of air ;
	ACGIH	TWA value 3 mg/m3 Respirable fraction ;

Personal protective equipment

**Respiratory protection:**

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

**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:	white to grey	
pH value:	7.0 - 11.0	
Melting point:		The substance / product decomposes.
Boiling point:		not applicable
Vapour pressure:		not applicable
Density:	3.2 kg/l	( 20 °C)
	3.5 kg/l	( 20 °C)
Relative density:	3.5	
Bulk density:	140 kg/m <sup>3</sup>	
Partitioning coefficient n-octanol/water (log Pow):		not applicable
Viscosity, dynamic:		not applicable
Particle size:	D10 2 µm	
	D50 5 µm	
	D90 11 µm	
Solubility in water:		insoluble
Solubility in other solvents:		insoluble
Solubility (qualitative):	insoluble	

## 10. Stability and Reactivity

**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 decomposition if stored and handled as prescribed/indicated.

**Oxidizing properties:**  
not fire-propagating

## 11. Toxicological information

### Acute toxicity

**Oral:**  
Type of value: LD50  
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**

**Skin:**

May cause mechanical irritation.

**Eye:**

May cause mechanical irritation.

**Carcinogenicity**

*Information on: Titanium dioxide*

*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**

**Toxicity to microorganisms:**

bacteria/EC50 (0.5 h):

not determined

**Degradability / Persistence  
Biological / Abiological Degradation**

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

**Other adverse effects:**

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:**

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. This product does not possess any of the four identifying characteristics of hazardous waste (ignitability, corrosivity, reactivity, or toxicity).

**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:**

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

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EPCRA 311/312 (Hazard categories):

Acute; Chronic

State regulations

<u>State/RTK</u>	<u>CAS Number</u>	<u>Chemical name</u>
MA, NJ, PA	12001-26-2	Mica-group minerals
MA, NJ, PA	13463-67-7	Titanium dioxide

CA Prop. 65:

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

**16. Other Information**

NFPA Hazard codes:

Health: 1      Fire: 0      Reactivity: 0      Special:

HMIS III rating

Health: 1      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.

We support worldwide Responsible Care® initiatives. We value the health and safety of our employees, customers, suppliers and neighbors, and the protection of the environment. Our commitment to Responsible Care is integral to conducting our business and operating our facilities in a safe and environmentally responsible fashion, supporting our customers and suppliers in ensuring the safe and environmentally sound handling of our products, and minimizing the impact of our operations on society and the environment during production, storage, transport, use and disposal of our products.

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