

Material Safety Data Sheet

ZION VIEWS

1. Substance/preparation and company identification

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TKB TRADING, LLC

2. Composition/information on ingredients

CAS Number	Chemical Name
12001-26-2	Mica
13453-67-7	Titanium Dioxide
1309-37-1	Iron Oxide
18282-10-5	Tin Oxide

3. Hazard identification

Emergency overview

CAUTION: Prolonged or repeated exposure may cause pulmonary problems.
Avoid contact with eyes.
Avoid inhalation of dusts.
Wash thoroughly after handling.
Ensure adequate ventilation.

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:

Inhalation of dust may cause respiratory tract irritation, coughing and breathing difficulties. Contact may result in skin irritation. Contact may result in eye irritation.

Potential environmental effects

Aquatic toxicity:

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

ZION VIEWS

4. First-aid measures

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. Consult a doctor if skin irritation persists.

If in eyes:

In case of contact with the eyes, rinse immediately for at least 15 minutes with plenty of water. If symptoms persist, seek medical advice.

If swallowed:

No hazards anticipated. If large quantities are ingested, seek medical advice.

5. Fire-fighting measures

Flash point:

Not applicable

Suitable extinguishing media:

usual extinguishing media

Additional information:

Use extinguishing measures to suit surroundings.

Hazards during fire-fighting:

No particular hazards known.

Protective equipment for fire-fighting:

Wear a self-contained breathing apparatus.

Further information:

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

NFPA Hazard codes:

Health: 0 Fire: 0 Reactivity: 0 Special:

6. Accidental release measures

Personal precautions:

Avoid dust formation.

Cleanup:

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

7. Handling and storage

Handling

General advice:

Ensure adequate ventilation. Forms slippery surfaces with water. Avoid contact with skin and eyes.

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Storage

General advice:

Keep in a cool place. Keep container dry.

8. Exposure controls and personal protection

Components with workplace control parameters

Mica-group minerals	OSHA ACGIH	P :L 20 mppcf; TLV 3 mg/m3 Respirable fraction;
Iron oxide	OSHA ACGIH	PEL 10 mg/m3 as Fe, Total particulate; TLV 5 mg/m3 as Fe, dust & fume;
Titanium Dioxide	OSHA ACGIH	PEL 15 mg/m3 Total dust; TLV 10 mg/m3 Total dust;
Tin Oxide	OSHA ACGIH	PEL 2 mg/m3 as Sn; TLV 2 mg/m3 as Sn;

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:

Wear chemical resistant protective gloves.

Eye protection:

Safety glasses with side-shields.

General safety and hygiene measures:

Wear protective clothing as necessary to minimize contact. Handle in accordance with good industrial hygiene and safety practice. Wash thoroughly after handling.

9. Physical and chemical properties

Form:	powder
Odour:	odourless
Colour:	According to product specification.
pH value:	7.0 - 11.0 (4 %(m))
Vapour pressure:	Not applicable
Density:	3.1 kg/l
Relative density:	3.1
Bulk density:	159 kg/m3
Solubility in water:	insoluble

10. Stability and reactivity

Conditions to avoid:

No conditions known that should be avoided.

Hazardous reactions:

Hazardous polymerization will not occur.

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11. Toxicological information

Oral:

Information on: Titanium Dioxide

LD50/rat > 5,000 mg/kg

Information on: Tin Oxide

LD50/rat > 20 g/kg

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

Inhalation:

Not Available

Chronic Effects on Humans

Repeated or prolonged exposure to the substance at concentrations above exposure limits may cause respiratory damage.

Target Organs: eyes, lungs, skin.

Dermal:

Not Available

Acute Effect on Humans

May cause skin, eye and respiratory irritation.

12. Ecological information

Environmental fate and transport

Bioaccumulation:

No data available.

13. Disposal considerations

Waste disposal of substance:

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

Dispose of in accordance with local authority regulations.

Disposal requirements are dependent on the hazard classification and will vary by location and the type of disposal selected.

14. Transport Information

Land transport

USDOT

Not classified as a dangerous good under transport regulations

Sea transport

IMDG

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Not classified as a dangerous good under transport regulations

Air transport
IATA/CAO

Not classified as a dangerous good under transport regulations

15. Regulatory information

Federal Regulations

Registration status:
TSCA, US released / listed

SARA hazard categories (EPCRA 311/312): Acute

State regulations

State RTK

CAS Number
12001-26-2
13463-67-7

Chemical name
Mica-group minerals
titanium dioxide

State RTK
MA, NJ, PA
MA, NJ, PA

16. Other information

Recommended use: cosmetics, colourant(s)

HMS III rating

Health: 1 Flammability: 0 Physical hazard: 0

HMS uses 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 high hazard.

~~Inhalation of dusts of any kind should be avoided in the interest of general health and safety.~~

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