

MATERIAL SAFETY DATA SHEET

Physical & Chemical Properties

Formula	TiO ₂
Molecular Weight	79.90
Appearance	White Dry Powder
Odor	Odorless
pH	Neutral
Specific Gravity	3.7 – 3.9
Solubility	Insoluble
Melting Point	>1000 ° C
Boiling Point	Not applicable
Vapor Density	Heavier than air
Vapor Pressure	Not applicable
Volatile matter	0 %
Freezing Point	0 %
Density at 20° C	3.8 – 3.9 gms/cc

Reactivity Information

Stability - This material is highly stable under normal conditions
Hazardous Polymerization - Will not occur
Hazardous Decomposition - Will not occur
Conditions to avoid - Avoid contact with metals at high temperature

Health Hazards - Effects of Acute Exposure

Inhalation	Inhalation of dust can cause irritation of the skin, nose, throat & lungs.
Skin Contact	This material can cause irritation, if not thoroughly washed from the skin.
Ingestion	This material is not expected to produce adverse effects.
Effects of Chronic Over-exposure	This material is not expected to produce adverse effects.
Medical Conditions Aggravated	Respiratory disorders.

First Aid Measures

Inhalation	Remove person to fresh air, If breathing is difficult, provide Oxygen and seek medical attention.
Skin Contact	Wash skin thoroughly with soap and water. See a physician, if irritation persists.
Eye Contact	Rinse eye immediately with water for at least 15 minutes. See a physician, if irritation persists.
Ingestion	Provide systematic treatment and seek prompt medical attention.

Hazard Identification – Warning

- May cause mechanical eye irritation.
- Nuisance Dust – Long term exposure to airborne concentrations above the recommended exposure limits may cause lung damage.

Protective Measures

- Avoid contact with the eyes.
- Do not breathe dust.
- Use in well ventilated areas.

Fire / Explosive Hazard Data

Extinguishing Media / Fire fighting Procedures

- Use the following extinguishing media when fighting fires involving this material – foam, water fog, carbon dioxide or dry chemical

Unusual Hazards

- Normal precautions for dust should be provided. Avoid high concentrations of dust in air.

Flammability	Not Applicable
Flash Point	Not Applicable
L.E.L	Not Applicable
Auto Ignition temperature	Not Applicable
Explosive material	Not Applicable
Corrosive material	Not Applicable

Accidental Release Measure

Release Response

- Minimize dusting caution - May cause a slippery condition when wet. Sweep/Shovel up and transfer into a suitable container for reuse.
- Personal Protective Equipment
- Wear ISI approved (or equivalent) air purifying respirator equipped with filters for protection against dust and mist. Wear safety glasses. Wear cotton or canvas gloves.

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Handling and Storage

Handling

- Avoid high concentrations of dust in air through the use of ventilations or other suitable controls.

Engineering Control Measures

- Use local exhaust ventilation, if airborne concentrations exceed Recommended exposure limits.

Storage

- This material is not hazardous under normal operating conditions.

Other Control Measures

- Use good industrial hygienic practices. Wash hands and face before eating and drinking.

Other Information

Safety Data Rating

Health	0
Flammability	0
Reactivity	0
Contact	1