



SAFETY DATA SHEET

SECTION 1: PRODUCT IDENTIFICATION

Product Name	Titanium Dioxide
CAS Number	13463-67-7
Chemical Formula	TiO ₂
Supplier	Selecta Resources LLC 939 Coast Boulevard, Suite 7C La Jolla, CA. 92037
Telephone	(760) 707 6781
Emergency Telephone	(800) 535 5053

SECTION 2: HEALTH HAZARD INFORMATION

GHS Signal Word: WARNING

GHS Hazard Pictograms:



Hazard statement: H351 Suspected of causing cancer.

Precautionary statement(s)

- P201 Obtain special instructions before use.
- P202 Do not handle until all safety precautions have been read and understood.
- P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.
- P405 Store locked up.
- P501 Dispose of contents/ container to an approved waste disposal plant.

SECTION 3: COMPOSITION AND INFORMATION ON INGREDIENTS.

Chemical Name :	CAS-NO :	Percentage:
Titanium Dioxide (TiO ₂)	13463-67-7	>90%

SECTION 4: FIRST AID MEASURES

Ingestion	Rinse mouth. Get medical attention if symptoms occur.
Skin	Wash off with soap and water. Get medical attention if irritation develops and persists.
Eyes	Do not rub eyes. Rinse with water. Get medical attention if irritation develops and persists.
Inhalation	If symptoms develop, move victim to fresh air. If symptoms persist, obtain medical attention.

SECTION 5: FIRE-FIGHTING MEASURES

Suitable extinguishing media	Water fog. Foam. Dry chemical powder. Carbon dioxide (CO ₂).
Unsuitable extinguishing media	Do not use water jet as an extinguisher, as this will spread the fire.
Special protective equipment	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Wear appropriate protective equipment and clothing during clean-up. Avoid inhalation of dust. Use a NIOSH/MSHA approved respirator if there is a risk of exposure to dust/fume at levels exceeding the exposure limits. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained.

Avoid dispersal of dust in the air (i.e., clearing dust surfaces with compressed air). Collect dust using a vacuum cleaner equipped with HEPA filter. The product is immiscible with water and will sediment in water systems. Stop the flow of material, if this is without risk.

Large Spills: Wet down with water and dike for later disposal. Shovel the material into waste container. Following product recovery, flush area with water.

Small Spills: Sweep up or vacuum up spillage and collect in suitable container for disposal.

Never return spills to original containers for re-use. Put material in suitable, covered, labeled containers.

SECTION 7: HANDLING AND STORAGE

Handling	Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Minimize dust generation and accumulation. Provide appropriate exhaust ventilation at places where dust is formed. Avoid
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breathing dust. Avoid prolonged exposure. Pregnant or breastfeeding women must not handle this product. Should be handled in closed systems, if possible. Wear appropriate personal protective equipment. Observe good industrial hygiene practices.

Storage Store locked up. Store in tightly closed container. Store in a well-ventilated place.

SECTION 8: PERSONAL PROTECTION INFORMATION

Eye/face protection	Wear safety glasses with side shields (or goggles)
Hand protection	Wear appropriate chemical resistant gloves. Glove material: Nitrile rubber Layer thickness: 3 to 8 mm Breakthrough time: > 480 min.
Skin protection	Use of an impervious apron is recommended. Wear appropriate chemical resistant clothing.
Respiratory protection	Use a NIOSH/MSHA approved respirator if there is a risk of exposure to dust/fume at levels exceeding the exposure limits.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance	White dry powder.
Odor	None
Melting Point	3326 F
Boiling Point	5382 F
Density	3.7-4.1
Solubility	< 0.1%

SECTION 10: STABILITY AND REACTIVITY DATA

Stability	Product is stable under normal conditions.
Materials to Avoid	None
Hazardous Decomposition	Will not occur

SECTION 11: TOXICOLOGICAL INFORMATION

Skin	Prolonged skin contact may cause temporary irritation.
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Eyes	Direct contact with eyes may cause temporary irritation.
Carcinogenicity	Suspected of causing cancer.
Inhalation	LC50 Rat 6.82 mg/l, 4h
Oral	LD50 Rat 5000 mg/kg
Skin irritation:	Prolonged skin contact may cause temporary irritation.
Eye irritation:	Direct contact with eyes may cause temporary irritation.
Sanitation:	Not a respiratory or skin sensitizer.
Carcinogenicity:	Suspected of causing cancer.

SECTION 12: ECOLOGICAL INFORMATION

Environmental Toxicity:	Not classified as environmentally hazardous.
Persistence/Degradation:	No data is available.
Soil Mobility:	The product is insoluble in water.

SECTION 13: DISPOSAL INFORMATION

Waste Disposal Methods	Small quantities can usually be disposed of at landfill sites. No special disposal treatment is required, but local authorities should be consulted about any specific local requirements. Tonnage quantities of product are not recommended to be sent to landfills. Such product should, if possible, be used for an appropriate application.
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SECTION 14: TRANSPORT INFORMATION

Not hazardous product according to DOT, IATA and IMDG transport classifications.

SECTION 15: OTHER REGULATORY INFORMATION

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)	Not regulated.
CERCLA Hazardous Substance List (40 CFR 302.4)	Not listed.
SARA 304 Emergency release notification	Not regulated.
OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053)	Not listed.
Toxic Substances Control Act (TSCA)	Designated "active".
SARA 302 Extremely hazardous substance	Not listed.
SARA 311/312 Hazardous chemical	Yes

Classified hazard
SARA 313 (TRI reporting)

Carcinogenicity.
Not regulated.

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List Not regulated.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention Not regulated.

Safe Drinking Water Act Not regulated.

California Proposition 65 WARNING:

This product can expose you to Titanium Dioxide, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

Inventories:

Canada	Domestic Substances List (DSL)	On inventory
United States	Toxic Substances Control Act (TSCA)	On inventory

SECTION 16: OTHER INFORMATION

All information in this SDS was obtained from sources we believe are reliable. However, the information is provided without any warranty or representation, expressed or implied, regarding its accuracy.