



Contact: sales@camachem.com

Material Safety Data Sheet (MSDS)

Section 1: Chemical Product and Company Identification	
Product Name	Titanium Oxide
CAS Number	13463-67-7
Chemical Formula	TiO ₂
Company Name	CAMACHEM (Part of CAMAL Group) 3F Jinlong East Beijing Station Road Chaoyang District, Beijing, China
Contact	sales@camachem.com
Company Website	www.camachem.com
Section 2: Composition and Information on Ingredients	
Name	Titanium Oxide
CAS #	13463-67-7
% by Weight	>98%
Section 3: Hazards Identification	
Potential Acute Health Effects:	<p>Eye: Causes mild eye irritation.</p> <p>Skin: Causes mild skin irritation. May be harmful if absorbed through the skin.</p> <p>Ingestion: May cause irritation of the digestive tract. May be harmful if swallowed. Ingestion of large amounts may cause pain, constipation or diarrhea. May cause ataxia (failure of muscular coordination), increased blood pressure, hallucinations, hypermotility, muscle contraction/spasticity, fatigue, psychosis, and tremors.</p> <p>Inhalation: May be harmful if inhaled. May cause blood changes. May cause irritation of the upper respiratory tract and bronchi.</p>
Potential Chronic Health Effects:	Prolonged or repeated exposure may cause lung irritation, chest pain, and pulmonary edema. Limited evidence of a carcinogenic effect. Section 4 - First Aid Measure

CAMACHEM (Part of CAMAL Group), 3F Jinlong East Beijing Station Road
Chaoyang District, Beijing, China
www.camachem.com

Section 4: First Aid Measures	
Eye Contact:	Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid.
Skin Contact:	Get medical aid. Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes.
Inhalation:	Remove from exposure and move to fresh air immediately.
Ingestion:	Get medical aid. Wash mouth out with water.
Section 5: Fire and Explosion Data	
General Information:	As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear.
Extinguishing Media:	Substance is noncombustible; use agent most appropriate to extinguish surrounding fire.
Section 6: Accidental Release Measures	
General Information:	Use proper personal protective equipment as indicated in Section 8.
Spills/Leaks:	Vacuum or sweep up material and place into a suitable disposal container.
Section 7: Handling and Storage	
Handling:	Avoid contact with eyes, skin, and clothing. Avoid ingestion and inhalation.
Storage:	Store in a cool, dry place. Keep container closed when not in use.
Section 8: Exposure Controls/Personal Protection	
Engineering Controls:	Use adequate ventilation to keep airborne concentrations low.
Personal Protection:	<p>Eyes: Wear chemical splash goggles.</p> <p>Skin: Wear appropriate protective gloves to prevent skin exposure.</p> <p>Clothing: Wear appropriate protective clothing to prevent skin exposure.</p> <p>Respirators: Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN</p>

	149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.
Section 9: Physical and Chemical Properties	
Physical state and appearance:	Powder.
Odor:	Odorless.
Taste:	Not available
Molecular Weight:	79.88
Color:	white to off-white
pH (1% soln/water):	~ 7
Boiling Point:	2900 °C @760mmHg (5,252.00°F)
Melting Point:	1855 °C (3,371.00°F)
Critical Temperature:	Not available
Specific Gravity:	4.230
Vapor Pressure:	Not available.
Vapor Density:	Not available.
Volatility:	Not available.
Odor Threshold:	Not available.
Ionicity (in Water):	Not available.
Dispersion Properties:	Not available.
Solubility:	Insoluble.
Section 10: Stability and Reactivity Data	
Chemical Stability:	Stable under normal temperatures and pressures.
Conditions to Avoid:	Incompatible materials.
Incompatibilities with Other Materials:	Strong oxidizing agents, strong acids, alkali metals, alkaline earth metals, aluminum, zinc.
Hazardous Decomposition Products:	Not available.
Hazardous Polymerization:	Will not occur.
Section 11: Toxicological Information	
RTECS#:	CAS# 13463-67-7: XR2275000
LD50/LC50:	RTECS: Not available. Other: oral rat LD50 > 10 g/kg oral rat LD50 > 12 g/kg oral rat LD50 > 20 g/kg oral mouse LD50 > 10 g/kg inh rat TCLo = 250 mg/m ³ /6H/2Y inh rat LD > 2.29 mg/L/4H inh rat LD > 3.56 mg/L/4H inh rat LC > 6.82 mg/L skin rabbit LD > 10g/kg skin guinea pig LD50 >= 10 g/kg skin rabbit: not irritating skin rabbit: slightly irritating skin human: low irritancy eye rabbit: not irritating eye rabbit: slightly irritating eye rabbit: mild irritation skin guinea pig: not sensitizing skin human: not sensitizing
Carcinogenicity:	Titanium oxide - IARC: Group 3 (not classifiable)

Other:	The toxicological properties have not been fully investigated. See actual entry in RTECS for complete information. Mutagenicity: Ames-test: negative. Possible carcinogen.
Section 12: Ecological Information	
Ecotoxicity:	Fish: Leuciscus idus: >=1000 mg/L; 48H; LC0 static Daphnia: Daphnia: 3 mg/L; 30D; EC0 Daphnia: Daphnia: 1000 mg/L; 18D; EC100 Daphnia: Daphnia: 500 mg/L; 30D; EC100
Section 13: Disposal Considerations	
Waste Disposal:	Dispose of in a manner consistent with federal, state, and local regulations.
Section 14: Transport Information	
Shipping Name:	IATA: Not regulated. IMO: Not regulated. RID/ADR: Not regulated.
Section 15: Other Regulatory Information	
US Federa:	TSCA CAS# 13463-67-7 is listed on the TSCA Inventory.
European/International Regulations:	European Labeling in Accordance with EC Directives Hazard Symbols: XN Risk Phrases: R 40 Limited evidence of a carcinogenic effect. Safety Phrases: S 36/37 Wear suitable protective clothing and gloves. WGK (Water Danger/Protection) CAS# 13463-67-7: 0 Canada CAS# 13463-67-7 is listed on Canada's DSL List
Section 16: Other Information	
References:	None.
Other Special Considerations:	None.
Created:	06/01/2021 4:44 PM
Last Updated:	06/01/2021 5:12 PM



www.camachem.com

Contact: sales@camachem.com

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall we m be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if we have been advised of the possibility of such damages.

**CAMACHEM (Part of CAMAL Group), 3F Jinlong East Beijing Station Road
Chaoyang District, Beijing, China**
www.camachem.com