



SAFETY DATA SHEET

ProChemOnline.com



SECTION 1 PRODUCT AND COMPANY INFORMATION

PRODUCT NAME: **Titanium, powder**

PRODUCT NUMBER: 3682

CAS NUMBER: 7440-32-6

MANUFACTURER:

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SECTION 2 HAZARDS IDENTIFICATION

CLASSIFICATION OF SUBSTANCE OR MIXTURE

Pictogram



Signal Word

Danger

Hazard Statements

H250	Catches fire spontaneously if exposed to air.
H252	Self heating in large quantities; may catch fire.

Precautionary Phrases

P210	Keep away from heat/sparks/open flames/hot surfaces.-No smoking.
P222	Do not allow contact with air.
P231	Handle under inert gas.
P235+P410	Keep cool. Protect from sunlight.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P335+P334	Brush off loose particles from skin. Immerse in cool water/wrap in wet bandages.
P370+P378	In case of fire: Use dry sand, dry chemical or alcohol-resistant foam for extinction.
P407	Maintain air gap between stacks/pallets.
P413	Store bulk masses greater than 1 lbs at temperatures not exceeding 100°F.
P420	Store away from other materials.
P422	Store contents under inert gas.

HMIS CLASSIFICATION:

Health: 0 Fire: 2 Reactivity Hazard: 2

NFPA RATING:

Health: 0 Flammability: 2 Reactivity Hazard: 2

SECTION 2 HAZARDS IDENTIFICATION (Cont.)

EYE CONTACT: May cause slight to mild irritation of the eyes.

SKIN CONTACT: May cause slight to mild irritation of the skin.

INHALATION: May be irritating to the nasal cavity and respiratory tract.

INGESTION: May be harmful if swallowed.

SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS

Formula: Ti

Molecular Weight: 47.90

CHEMICAL NAME	CAS#	%
Titanium	7440-32-6	100

SECTION 4 FIRST AID MEASURES

EYE EXPOSURE: Immediately rinse the eyes with copious amounts of water for at least 15 minutes. Assure flushing under the eyelids. A victim may need assistance in keeping their eyelids open. Get immediate competent medical attention.

SKIN EXPOSURE: Wash affected area with water. Remove contaminated clothes if necessary. Seek medical assistance if irritation persists.

INHALATION: Remove to fresh air and keep at rest. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Get medical attention if necessary.

INGESTION: Seek medical attention immediately. Keep the victim calm. Give the victim water (only if conscious). Induce vomiting only if directed by medical personnel.

SECTION 5 FIREFIGHTING MEASURES

FLASH POINT: Not available

AUTO IGNITION TEMPERATURE: Not available

EXPLOSION LIMITS: Not explosive

EXTINGUISHING MEDIUM: Special powder for metal fires. Do not use water.

SPECIAL FIRE FIGHTING PROCEDURES: Wear self-contained, approved breathing apparatus and full protective clothing, including eye protection and boots.

HAZARDOUS COMBUSTION AND DECOMPOSITION PRODUCTS: Titanium oxides

SECTION 6 ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS: Wear all appropriate equipment when using this material. Ensure adequate ventilation. Avoid dust formation. Avoid breathing dust.

ENVIRONMENTAL PRECAUTIONS: Prevent spillage from entering drains or allowing to be released into the environment.

METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP: Cover spill with sodium carbonate or dolomite to reduce formation of dust. Sweep up and place in suitable container for proper disposal.

SECTION 7 HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING: Wear appropriate personal protective equipment. Use with adequate ventilation. Keep away from sources of ignition-No smoking. Handle under dry protective gas. Protect against electrostatic charges.

CONDITIONS FOR SAFE STORAGE: Store in cool, dry, and well-ventilated area. Store away from oxidizing agents, halogens, halocarbons, mineral acids, and air. Store under dry inert gas.

SECTION 8 EXPOSURE CONTROLS AND PERSONAL PROTECTION

EXPOSURE CONTROLS: Contains no components with occupational exposure limit values.

EYE PROTECTION: Wear chemical safety glasses or goggles and face shield.

SKIN PROTECTION: Wear nitrile or rubber gloves, and a fire retardant suit.

VENTILATION: Provide local exhaust, preferably mechanical.

RESPIRATOR: Use an approved respirator.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

COLOR AND FORM: Dark gray powder

ODOR: None

MOLECULAR WEIGHT: 47.90

BOILING POINT: 3260°C

MELTING POINT: 1668°C

SPECIFIC GRAVITY: 4.54 gm/ml

VAPOR DENSITY: No data available

SOLUBILITY: Insoluble

SECTION 10 STABILITY AND REACTIVITY

STABILITY: Stable

HAZARDOUS POLYMERIZATION: Will not occur

CONDITIONS TO AVOID: Formation of mixtures with air

INCOMPATIBILITY: Oxidizing agents, air, halogens, halocarbons, mineral acids, chlorinated solvents, Carbon dioxide, and aluminum

DECOMPOSITION PRODUCTS: Titanium oxides

SECTION 11 TOXICOLOGICAL DATA

ACUTE TOXICITY: TDLo Intramuscular – rat – 114 mg/kg/77W-1. Toxic dose Intramuscular – rat – 360mg/kg/69W-1. TDLo Oral – rat – 158mg/kg.

CARCINOGENIC EFFECTS: No components of this product present at levels greater than or equal to 0.1% is identified a carcinogen.

MUTAGENIC EFFECTS: Not available

TETRATOGENIC EFFECTS: Not available

CHRONIC TOXICITY: Not available

RTECS: XR1700000

To the best of our knowledge the toxicological effects of this compound have not been fully investigated.

SECTION 12 ECOLOGICAL DATA

No data available.

SECTION 13 DISPOSAL CONSIDERATIONS

Dispose of in according to local, state, and federal regulations.

SECTION 14 TRANSPORTATION DATA

UN2546

Marine Pollutant: No

Titanium powder, dry

CLASS 4.2

PGII

SECTION 15 REGULATORY INFORMATION

TSCA: Listed in the TSCA inventory

SARA 302/304: Not Listed

SARA 311/312: Fire Hazard

SARA (TITLE 313): Not Listed

CALIFORNIA PROP. 65: Not Listed

SECTION 15 REGULATORY INFORMATION (Cont.)

PENNSYLVANIA RIGHT TO KNOW: Titanium

NEW JERSEY RIGHT TO KNOW: Titanium

SECTION 16 OTHER INFORMATION

DISCLAIMER: The information herein is believed to be accurate and reliable as of the date compiled. However, Prochem, Inc. makes no representation, warranty, or guarantee of any kind with respect to the information in this document or any use of the product based on the information.

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