



# SAFETY DATA SHEET

ProChemOnline.com



## SECTION 1 PRODUCT AND COMPANY INFORMATION

PRODUCT NAME: **Titanium, powder**

PRODUCT NUMBER: 3682

CAS NUMBER: 7440-32-6

### MANUFACTURER:

ProChem, Inc.  
826 Roosevelt Road  
Rockford, IL 61109

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TOLL FREE: 800-795-8788

IN CASE OF TRANSPORTATION EMERGENCY CONTACT CHEM-TREC: 1-800-424-9300

## SECTION 2 HAZARDS IDENTIFICATION

### CLASSIFICATION OF SUBSTANCE OR MIXTURE

Pictogram



Signal Word

**Danger**

### Hazard Statements

H228	Flammable solid.
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.
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.
P413	Store bulk masses greater than 1 lbs at temperatures not exceeding 100°F.

### HMIS CLASSIFICATION:

Health: 0      Fire: 2      Reactivity Hazard: 2

### NFPA RATING:

Health: 0      Flammability: 2      Reactivity Hazard: 2

**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: 47.87

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:** 47.87

**BOILING POINT:** 3287°C

## SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES (Cont.)

**MELTING POINT:** 1660°C

**SPECIFIC GRAVITY:** 4.54

**VAPOR DENSITY:** No data available

**SOLUBILITY IN WATER:** 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:** No data available.

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

**MUTAGENIC EFFECTS:** No data available.

**TETRATOGENIC EFFECTS:** No data available.

**CHRONIC TOXICITY:** No data 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

PG II

## 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 16 OTHER INFORMATION**

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DATE REVISED: 04/26  
SDS DEPT.