SAFETY DATA SHEET

Titanium Alloys

10-3-2022: File reviewed, more current MSDS/SDS not available. JMC

Titanium Industries, Inc. (T.I.)
18 Green Pond Road
Rockaway, NJ 07866 USA

Issue Date: 24 August 2015
Revision Date: June 20, 2019

Section 1: Identification

1a. Product Identifier: Titanium Alloys
1b. Other means of identification: Titanium Alloys as noted in ASTM & AMS Specifications
1c. Name, address and phone number of supplier of safety data sheet:
Titanium Industries, Inc.
18 Green Pond Road
Rockaway, New Jersey 07866
973-983-1185
1d. Emergency Phone Number: Chemtrec 1-800-424-9300 (USA)
1e. Recommended use of Titanium Alloys and restrictions on use:

Section 2: Hazard(s) Identification

2a. Classification: This chemical is not considered hazardous by the 2012 OSHA Hazard Communication Standard (28 CFR 1910.1200)
This SDS is written for articles, titanium alloys supplied in the solid form and not subject to REACH Regulation (EC) No 1907/2006 and is not subject to classification under CLP Regulation (EC) No 1272/2008.
2b. Pictogram: Not available
2b. Precautionary Statement: May cause damage to the respiratory tract, liver, and kidney through repeated or prolonged inhalation. When product is subject to welding, burning, melting, sawing, brazing, grinding, buffing, polishing, or other heat generating processes, potentially hazardous airborne particles and/or fumes may be generated.
2c. Hazards not otherwise classified: None known
2d. Unknown toxicity statement: None known

Section 3: Composition/Information on Ingredients

3a. Chemical Name, common name, synonyms, CAS/EC number, identifiers, concentrations
CAS – Chemical Abstract Service  EC – European Community

Titanium contains small amounts of trace elements. Titanium Alloys contain alloying elements which are intentionally added to make the metallurgical requirements for numerous applications.


<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS Number</th>
<th>EC Number</th>
<th>Weight %</th>
</tr>
</thead>
<tbody>
<tr>
<td>Titanium</td>
<td>7440-32-6</td>
<td>231-142-3</td>
<td>90-98%</td>
</tr>
<tr>
<td>Aluminum</td>
<td>7440-90-5</td>
<td>231-072-3</td>
<td>3-6%</td>
</tr>
<tr>
<td>Vanadium</td>
<td>7440-62-2</td>
<td>231-171-1</td>
<td>2-4%</td>
</tr>
<tr>
<td>Nickel</td>
<td>7440-02-0</td>
<td>231-111-4</td>
<td>0-0.9%</td>
</tr>
<tr>
<td>Molybdenum</td>
<td>7439-98-7</td>
<td>231-107-2</td>
<td>0-0.4%</td>
</tr>
<tr>
<td>Tin</td>
<td>7440-31-5</td>
<td>231-141-8</td>
<td>0-4.5%</td>
</tr>
<tr>
<td>Chromium</td>
<td>7440-47-3</td>
<td>231-157-5</td>
<td>0-11%</td>
</tr>
<tr>
<td>Zirconium</td>
<td>7440-67-7</td>
<td>231-142-3</td>
<td>0-1%</td>
</tr>
</tbody>
</table>


<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS Number</th>
<th>EC Number</th>
<th>Weight %</th>
</tr>
</thead>
<tbody>
<tr>
<td>Palladium</td>
<td>7440-05-3</td>
<td>231-115-6</td>
<td>0-0.25%</td>
</tr>
<tr>
<td>Iron</td>
<td>7439-89-6</td>
<td>231-096-4</td>
<td>0-0.5%</td>
</tr>
</tbody>
</table>

Section 4: First-Aid Measures

4a. Necessary first aid instructions:
Inhalation: In the event dust particulate, fumes, or smoke is inhaled during processing, move to fresh air and consult a qualified health professional if feeling ill.
Skin Contact: In case of an allergic skin reaction, seek a qualified health professional.
Eye Contact: In the event dust particulate enters the eye, flush eyes repeatedly and seek a qualified medical professional if condition persists.
Ingestion: Not a suspected route of exposure however if during processing, dust particulates are ingested and conditions exist, seek a qualified medical professional.

4b. Description of most important symptoms or effects:
Respiratory System- operations such as welding, burning, sawing, brazing, machining and grinding may irritate the respiratory tract, see Section 8.

4c. Recommendations for immediate medical care: None known
Section 5: Fire-Fighting Measures

5a. Recommendations of suitable extinguishing equipment: Titanium Alloys are not flammable as distributed but is flammable in the form of fines or turnings resulting from processing. In this case the recommended extinguishing media would be to use a Class D Dry Powder fire extinguisher.

Recommendations of unsuitable extinguishing equipment: DO NOT SPRAY WATER on burning particulate.

5b. Specific hazards arising from Titanium Alloys: Dust, turnings, or fine pieces may ignite easily when presented with an ignition source.

5c. Special PPE and precautions for firefighters: MSHA/NIOSH approved SCBA apparatus and full typical firefighting protective gear.

Section 6: Accidental Release Measures

6a. Personal precautions and protective equipment: Not applicable in solid state. If dust or turnings are accumulated, personnel are recommended to wear appropriate PPE to protect against airborne particulate coming in contact with eyes or skin.

6b. Emergency procedures: Use personal protective gear as required.

6c. Methods and materials used for containment: Not applicable as distributed.

6d. Cleanup procedures: Use personal protective gear as required.

Section 7: Handling and Storage

7a. Precautions for safe handling: Not applicable as distributed. Dust, turnings, or small particulate should be handled in a manner to protect against eye or skin contact by utilizing gloves and/or breathing masks where required.

7b. Recommendations on the conditions for safe storage including any incompatibilities: Not applicable as distributed however for small pieces, turnings, etc… keep away from ignition sources.

Section 8: Exposure Controls/Personal Protection

8a. Occupational exposure limits:

<table>
<thead>
<tr>
<th>Commodity</th>
<th>Permissible Exposure Limit (PE L)</th>
<th>LFC (LFC)</th>
<th>TLV (TLV)</th>
<th>REL (REL)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Titanium</td>
<td>15 mg/m³ (TiO₂, total dust)</td>
<td>10 mg/m³</td>
<td>LFC (TiO₂)</td>
<td>5000 mg/m³</td>
</tr>
<tr>
<td>Aluminum</td>
<td>15 mg/m³ (total dust, PNOR)</td>
<td>10 mg/m³</td>
<td>LFC (metal dust)</td>
<td>5000 mg/m³</td>
</tr>
<tr>
<td>Vanadium</td>
<td>0.5 mg/m³ (V₂O₅, respirable dust)</td>
<td>0.05 mg/m³</td>
<td>V₂O₅, inhale</td>
<td>35 mg/m³ (V, dust or fume)</td>
</tr>
<tr>
<td>Nickel</td>
<td>1.0 mg/m³ (Ni metal &amp; insoluble compounds)</td>
<td>1.5 mg/m³</td>
<td>Ni inorganic only</td>
<td>10 mg/m³ (Ni)</td>
</tr>
<tr>
<td>Molybdenum</td>
<td>15 mg/m³ (total dust, PNOR)</td>
<td>10 mg/m³</td>
<td>Mo insoluble compounds, inhalable fraction</td>
<td>NE</td>
</tr>
<tr>
<td>Zirconium</td>
<td>15 mg/m³ (total dust, PNOR)</td>
<td>2.0 mg/m³</td>
<td>metal and inorganic compounds, SN</td>
<td>NE</td>
</tr>
<tr>
<td>Chromium</td>
<td>.5 mg/m³ (Cr II &amp; III, inorganic compounds)</td>
<td>0.5 mg/m³</td>
<td>Cr II &amp; III</td>
<td>250 mg/m³ (Cr II &amp; metal)</td>
</tr>
<tr>
<td></td>
<td>1.0 mg/m³ (Cr, metal)</td>
<td>0.5 mg/m³</td>
<td>Cr (metal)</td>
<td>25 mg/m³ (Cr III)</td>
</tr>
<tr>
<td></td>
<td>0.005 mg/m³ (Cr VI, inorganic Compounds &amp; certain water insoluble)</td>
<td>0.05 mg/m³</td>
<td>Cr VI, inorganic compounds</td>
<td>15 mg/m³ (Cr VI)</td>
</tr>
<tr>
<td></td>
<td>0.01 mg/m³ (Cr VI, inorganic compounds water insoluble)</td>
<td>0.01 mg/m³</td>
<td>Cr VI, inorganic compounds</td>
<td>25 mg/m³ (Cr III)</td>
</tr>
</tbody>
</table>

OSHA PELs (Permissible Exposure Limits) are 8-hour TWA (time weighted average) concentration unless otherwise noted. A (“C”) designation denotes a ceiling limit, which should not be exceeded during any part of the working exposure unless otherwise noted. A Short Term Exposure Limit (STEL) is defined as a 15 minute exposure, which should not be exceeded at any time during a work day.

Threshold Limit Values (TLV) established by the American Conference of Governmental Industrial Hygienists (ACGIH) are 8-hour TWA concentrations unless otherwise noted. ACGIH TLVs are for guidance purposes only and as such are not legal, regulatory limits for compliance purposes.

The National Institute for Occupational Safety and Health Recommended Exposure Limits (NIOSH-REL): Compendium of Policy and Statements.
Titanium Alloys

Section 9: Physical and Chemical Properties

9a. Appearance (physical state, color, etc…): Solid metal
9b. Upper/lower flammability or explosive limits: N/A
9c. Odor: Odorless
9d. Odor threshold: N/A
9e. Vapor pressure: N/A
9f. Vapor density (air = 1): N/A
9g. pH: N/A
9h. Relative density: 5-6 (H₂O =1)
9i. Melting point/freezing point: >2800°F
9j. Solubility: Water insoluble
9k. Flash point: N/A
9l. Evaporation rate: N/A
9m. Flash point (liquid): N/A
9n. Flammability (solid/gas): Non flammable, non combustible
9o. Partition coefficient: n-octanol/water: ND
9p. Auto ignition temperature: N/A
9q. Decomposition temperature: ND
9r. Viscosity: N/A
9s. Partition coefficient: N/A
9t. Odor threshold: N/A
9u. Melting point: N/A
9v. Density: N/A
9w. Freezing point: N/A
9x. Viscosity: N/A
9y. Physical state: Solid
9z. Appearance: Solid metal

NOTES:
- N/A: Not applicable
- ND: Not determined

SAFETY DATA SHEET
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18 Green Pond Road
Rockaway, NJ 07866 USA
T: (+1) (973) 983-1185
Section 10: Stability and Reactivity

10a. Reactivity: Not determined (ND) for product as a whole
10b. Chemical stability: Titanium Alloy products are stable under normal storage and handling conditions
10c. Possibilities of hazardous reactions: None Known
10d. Conditions that should be avoided: Storage with strong acids or calcium hypochlorite
10e. Classes of incompatible materials: Molten metal may react violently with water

Section 11: Toxicological Information

Toxicological information has not been established for this product as sold. However, processing of this product in operations such as high temperature (welding, burning), sawing, brazing, machining, and grinding may produce fumes or particulates, which would result in the material being classified as hazardous under OSHA 29CFR 1910.1200. The categories of Health Hazards as defined in “Globally Harmonized System of Classification and Labeling of Chemicals (GHS), Third revised edition ST/SG/AC.10/30/Rev 3” United Nations, New York and Geneva, 2009 have been evaluated and are listed below:

<table>
<thead>
<tr>
<th>Potential Hazard</th>
<th>Hazard Category</th>
<th>Hazard Symbol</th>
<th>Signal Word</th>
<th>Hazard Statement</th>
</tr>
</thead>
<tbody>
<tr>
<td>Skin Irritation</td>
<td>3b</td>
<td>No Symbol</td>
<td>Warning</td>
<td>Causes mild skin irritation</td>
</tr>
<tr>
<td>Eye Damage / Irritation</td>
<td>2B</td>
<td>No Symbol</td>
<td>Warning</td>
<td>Causes eye irritation</td>
</tr>
<tr>
<td>Skin Sensitization</td>
<td>1d</td>
<td>!</td>
<td>Warning</td>
<td>May cause an allergic skin reaction</td>
</tr>
<tr>
<td>Carcinogenicity</td>
<td>2f</td>
<td>!</td>
<td>Warning</td>
<td>Suspected of causing cancer</td>
</tr>
<tr>
<td>Toxic Reproduction</td>
<td>2h</td>
<td>!</td>
<td>Warning</td>
<td>Suspected of damaging the unborn child</td>
</tr>
<tr>
<td>Specific Target Organ</td>
<td>3i</td>
<td>!</td>
<td>Warning</td>
<td>May cause respiratory irritation</td>
</tr>
<tr>
<td>Systemic Toxicity</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>(STOST) following Single Exposure</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>STOST following</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Repeated Exposure</td>
<td>1j</td>
<td>!</td>
<td>Danger</td>
<td>Causes damage to the central nervous system</td>
</tr>
</tbody>
</table>

Notes:

a. No LC50 or LD50 has been established for Titanium Alloys. The following data has been determined for the components:
   Nickel: LD50>9000mg/kg (oral/Rat); LC50>10.2 mg/l (inhalation/Rat)
b. No Skin (Dermal) Irritation No data is available for Titanium Alloys. The following Skin (Dermal) Irritation information was found for the components:
   Nickel: Slight irritation only in rabbits
   Molybdenum: Irritating
c. No Eye Irritation data is available for Titanium Alloys. The following Eye Irritation information was found for the components:
   Molybdenum: Causes eye irritation
   Nickel: Slight eye irritation from particulate abrasion only
d. No Skin (Dermal) Sensitization No data is available for Titanium Alloys. The following Skin (Dermal) Sensitization information was found for the components:
   Nickel: Human skin sensitizer
e. No Germ Cell Mutagenicity No data is available for Titanium Alloys. The following Mutagenicity and Geotoxicity information was found for the components:
   Nickel: Positive results in vitro and in vivo but insufficient data for classification
   Aluminium: Not mutagenic in vitro; but has marginal effects in vivo
f. Carcinogenicity: IARC, NTP, and OSHA do not list Titanium Alloys as carcinogens. The following Carcinogenicity information was found for the components:
   Welding Fumes, IARC Group 2B carcinogen, a mixture that is possibly carcinogenic to humans
   Nickel and certain nickel compounds – IARC group 2B carcinogens that are possibly carcinogenic to humans. Insoluble nickel compounds – ACGIH confirmed human carcinogen. Nickel – EURAR insufficient evidence to conclude carcinogenic potential in animals or humans; suspect carcinogen classification Category 2 Suspected of causing cancer. Nickel Oxide – HSDB listed as Category 1a, may cause cancer. Human data in which exposure to nickel refinery dust caused lung and nasal tumors.
h. No Toxic Reproduction data available for Titanium Alloys. The following Toxic Reproduction information was found for the components:
   Nickel: Oral administering to experimental animals caused fetotoxicity
   Aluminium: May cause delay in development of neurobehavioral indices
i. No Specific Target Organ Systemic Toxicity (STOST) following a Single Exposure data available for Titanium Alloys.
Section 12: Ecological Information (non-mandatory)

12a. Hazard Category: Not reported
12b. Hazard Symbol: No symbol
12c. Signal Word: No signal word
12d. Hazard Statement: No hazard statement
12e. Ecotoxicity: No data available for Titanium Alloys. However, individual components of the product have been found to be toxic to the environment. Metal dusts may migrate into soil and groundwater and be ingested by wildlife as follows:
   - Aluminum: LC50 = 100 mg/l for fish and algae
12f. Mobility: No data available for Titanium Alloys.
12g. Persistence and Degradability: No data available
12h. Bioaccumulative Potential: No data available

The listings and regulations relating to a titanium alloy product may not be complete and should not be solely relied upon for all regulatory compliance responsibilities.

Section 13: Disposal Considerations (non-mandatory)

13a. Disposal: Titanium Alloy scrap should be recycled whenever possible. Product dusts and fumes from processing operations should also be recycled, or classified by a competent environmental professional and disposed of in accordance with applicable federal, state or local regulations.
13b. Container Cleaning and Disposal: The product as supplied does not possess characteristics which qualify as hazardous waste. Following processing and use, resulting titanium turnings, powders, fines and/or swarf will impact cleaning and disposal and should be evaluated by a competent environmental professional.

Note: The information is for Titanium Alloy in its original form. Any alterations can void this information.

Section 14: Transport Information (non-mandatory)

Transportation Information: The following listings of regulations relating to titanium alloy product may not be complete and should not be solely relied upon for all regulatory compliance requirements.

The US Department of Transportation (DOT) under 49 CFR 172 does not regulate Titanium Alloys as a hazardous material. All federal, state and local laws and regulations that apply to the transport of this type of material must be adhered to.

<table>
<thead>
<tr>
<th>Shipping Name: N/A</th>
<th>Packaging Authorizations</th>
<th>Quantity Limitations</th>
</tr>
</thead>
<tbody>
<tr>
<td>Shipping Symbols: N/A</td>
<td>a) Exceptions: N/A</td>
<td>a) Passenger, Aircraft or Railcar: N/A</td>
</tr>
<tr>
<td>Hazard Class: N/A</td>
<td>b) Group: N/A</td>
<td>b) Cargo Aircraft Only: N/A</td>
</tr>
<tr>
<td>UN No.: N/A</td>
<td>c) Authorization: N/A</td>
<td>Vessel Stowage Requirements</td>
</tr>
<tr>
<td>Packing Group: N/A</td>
<td></td>
<td>a) Vessel Stowage: N/A</td>
</tr>
<tr>
<td>DOT/IMO Label: N/A</td>
<td></td>
<td>b) Other: N/A</td>
</tr>
<tr>
<td>Special Provisions (172.102): N/A</td>
<td></td>
<td>DOT Reportable Quantities: N/A</td>
</tr>
</tbody>
</table>

International Maritime Dangerous Goods (IMDG) and the Regulations Concerning the International Carriage of Dangerous Goods by Rail (RID) classification, packaging, and shipping requirements follow the US Department of Transportation Hazardous Materials Regulation.

Regulations the International Carriage of Dangerous Goods by Road (ADR) does not regulate titanium as a hazardous material.

<table>
<thead>
<tr>
<th>Shipping Name: N/A</th>
<th>Packaging</th>
<th>Portable Tanks and Bulk Containers</th>
</tr>
</thead>
<tbody>
<tr>
<td>Classification Code: N/A</td>
<td>a) Packing Instructions: N/A</td>
<td>a) Instructions: N/A</td>
</tr>
<tr>
<td>UN No.: N/A</td>
<td>b) Special Packaging Provisions: N/A</td>
<td>b) Special Provisions: N/A</td>
</tr>
<tr>
<td>Packing Group: N/A</td>
<td>c) Mixed Packaging Provisions: N/A</td>
<td></td>
</tr>
<tr>
<td>ADR Label: N/A</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Special Provisions: N/A</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Limited Quantities: N/A</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

International Air Transport Association (ATA) does not regulate Titanium Industries titanium as a hazardous material.
## Section 15: Regulatory Information (non-mandatory)

**Regulatory information:** The following listing of regulations relating to Titanium Alloy product may not be complete and should not be solely relied upon for all regulatory compliance responsibilities. This product and/or its constituents are subject to the following regulatory requirements:

- **OSHA Regulations:** Air Contaminant (29 CFR 1910.1000, Table Z-1, Z-2, Z-3): Titanium Alloy is not listed. However, individual components of the product are listed: Refer to Section 8, Exposure Controls and Personal Protection.

- **EPA Regulations:** Titanium Alloy is not listed. However individual components of the product are listed:

<table>
<thead>
<tr>
<th>Components</th>
<th>Regulations</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aluminum</td>
<td>SWDA, SARA 313</td>
</tr>
<tr>
<td>Vanadium</td>
<td>SARA 313</td>
</tr>
<tr>
<td>Nickel</td>
<td>CAA, CWA, SARA 313, CERCLA, RCRA, SDWA</td>
</tr>
<tr>
<td>Molybdenum</td>
<td>SDWA</td>
</tr>
<tr>
<td>Chromium</td>
<td>CERCLA, CWA, SARA 313, RCD, SDWA</td>
</tr>
</tbody>
</table>

- **SARA Potential Hazard Categories:** Immediate Acute Health Hazard: Delayed Chronic Health Hazard

  Regulations Key:
  - CAA – Clean Air Act (42 USC Sec. 7412; 40 CFR Part 61 [as of 8/2006])
  - CERCLA – Comprehensive Environmental Response, Compensation and Liability Act (42 USC secs. 9601(14), 9603(a), 40 CFR sec.302.4, Table 302.4 and App. A)
  - CWA – Clean Water Act (33 USC Secs. 1311;1314(b), (c), (e), (g); 136(b), (c); 137(b), (c) [as of 8/2006])
  - SARA – Superfund Amendments and Reauthorization Title III Section 302 Extremely Hazardous Substances (42 USC secs. 11023, 13106; 40 CFR Sec.372.65) and section 313 Toxic Chemicals (42 USC secs. 11023, 13106; 40 CFR sec. 372.65 [as of 6/30/2005])
  - SDWA – Safe Drinking Water Act (42 U.S.C.s/s 300f et seq. [1974])

### Section 313 Supplier Notification:

Titanium Alloys contains the following toxic elements subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR part 372:

<table>
<thead>
<tr>
<th>CAS #</th>
<th>EC #</th>
<th>Chemical Name</th>
<th>Max Percent by Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>7429-90-5</td>
<td>231-072-3</td>
<td>Aluminum</td>
<td>7</td>
</tr>
<tr>
<td>7440-62-2</td>
<td>231-171-1</td>
<td>Vanadium</td>
<td>4.5</td>
</tr>
<tr>
<td>7440-02-0</td>
<td>231-111-4</td>
<td>Nickel</td>
<td>0.9</td>
</tr>
</tbody>
</table>

This information should be included in all SDS’s that are copied and distributed for this material.

**State Regulations:** The Product, Titanium Alloy is not listed in any state regulations. However, individual components of the product are listed in various state regulations:

- **Pennsylvania Right to Know:** Contains regulated material in the following categories:
  - Hazardous Substances: Nickel, Molybdenum, and Aluminum
  - Environmental Hazards: Aluminum (dust and fume), Nickel and Vanadium
  - Special Hazard Substances: Nickel

- **California Prop. 65:** Titanium Alloys may contain trace elements, generally much less than 0.1% of metallic elements known to the state of California to cause cancer or reproductive toxicity. This includes Nickel.

- **New Jersey:** Contains regulated material in the following categories:
  - Special Health Hazards Substances: Nickel
  - Hazardous Substance List: Titanium, Molybdenum, Vanadium, Aluminum (dust and fume), and Nickel

- **Minnesota:** Nickel (elemental, soluble, and insoluble compounds) and Aluminum (dust and fume)

- **Massachusetts:** Aluminum (dust and fume), Nickel, Vanadium, and Molybdenum

**Other Regulations:**

- **WHMIS Classification (Canadian):** Titanium Alloys is not listed. However individual components are.

<table>
<thead>
<tr>
<th>Ingredients</th>
<th>WHMIS Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Titanium</td>
<td>D26</td>
</tr>
<tr>
<td>Vanadium</td>
<td>D3B</td>
</tr>
<tr>
<td>Nickel</td>
<td>D2B</td>
</tr>
</tbody>
</table>
Titanium Alloys

Section 16: Other Information

16a. Hazardous Material Identification System (HMIS)

<table>
<thead>
<tr>
<th>HEALTH</th>
<th>FIRE</th>
<th>PHYSICAL HAZARD</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>0</td>
<td>0</td>
</tr>
</tbody>
</table>

National Fire Protection Association (NFPA)

HEALTH-1 Denotes possible chronic hazard if airborne.
FIRE- 0 Materials will not burn
PHYSICAL HAZARD-0 Materials that are normally pose, condense or self react. Non-explosives

16b. National Fire Protection Association (NFPA)

Health-1 Exposure could cause irritation but only minor residual injury even if no treatment is given
Flammability-0 Materials that will not burn
Instability-0 Normally stable, even under fire exposure conditions, and are not reactive with water

DISCLAIMER:
The data in this Safety Data Sheet is correct to the best of our knowledge at the date of this publication. All information, recommendations and suggestions concerning the product are based on data believed to be reliable. It is the user’s responsibility to determine the safety, toxicity and suitability for their own use of the product. The information given is a guideline for safe handling, processing, storage, transportation and disposal. Since the applications of the product is beyond our control, no guarantee or warranty is expressed or implied is made by Titanium Industries Inc. It is the user’s responsibility to comply with all federal, state and local regulations. This SDS is not intended to serve as a complete regulatory compliance document.