

# MATERIAL SAFETY DATA SHEET

(TITANIUM SPONGE)

Manufacturer: Kerala Minerals and Metals Ltd.  
Chavara, Kollam  
Kerala-691583  
India  
[www.kmml.com](http://www.kmml.com)

## SECTION 1: Product Identification

Chemical Name : Titanium Sponge  
CAS Registry Number : 7440-32-6  
Formula : Ti  
Chemical Family : Metal or element  
Synonym : C.P. Titanium

## SECTION 2: Composition and Information on Ingredients

Ingredient	CAS Number	Percent	ACGIH (TWA)	OSHA (PEL)
Title compound	7440-32-6	100%	no data	no data

## SECTION 3: Hazards Identification

Emergency Overview : Inhalation hazard as a fine dust or fume.  
Primary Routes of Exposure : Ingestion, Inhalation (of dust or fume)  
Eye Contact : The dust may cause slight to mild irritation of the eyes  
Skin Contact : The dust may cause slight to mild irritation of the skin

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Inhalation	: Hazard associated with inhalation of fine dust or fume. Maybe irritating to nasal cavity and respiratory tract.
Ingestion	: No specific information is available on the physiological effects of ingestion may cause vomiting and diarrhea.
Acute Health Effects	: Dust may be irritating to skin, eyes and respiratory tract. Ingestion can lead to gastrointestinal effects, vomiting and nausea.
OSHA	: No

### SECTION 4: First Aid Measures

Eye Exposure victim Get	: (For dust) Immediately flush the eyes with copious amount of water for at least 10- 15 minutes. A may need assistance in keeping their eye lids open. immediate medical attention.
Skin Exposure Remove	: (For dust) Wash the affected area with water. contaminated clothes if necessary. Seek medical assistance if irritation persists.
Inhalation	:(For dust) Remove the victim to fresh air. Closely monitor the victim for signs of respiratory problems, such as difficulty in breathing, coughing, wheezing or pain. In such cases seek immediate medical assistance.
Ingestion	: Seek medical attention immediately. Keep the victim calm. Give the victim water (only if conscious). Induce vomiting only if directed by medical personnel.

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### SECTION 5: Fire Fighting Measures

Flash Point	: None
Auto ignition Temperature	: None
Explosion Limits	: None
Extinguishing Medium	: Class D extinguishing agent or sand. Use no water.
Special Fire Fighting Procedures	: Use appropriate fire procedures for burning metal fire.
Hazardous Combustion and Decomposition Products	: None
Unusual Fire or Explosion Hazards	: Explosion hazard if in the form of a fine dust mixed with air.

### SECTION 6: Accidental Release Measures

Spill and Leak Procedures	: Sweep up solid
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### SECTION 7: Handling and Storage

Handling and Storage	: No special storage or handling conditions required.
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### SECTION 8: Exposure Controls and Personal Protection

Eye Protection	: Always wear approved safety glasses when handling a chemical substance in the laboratory.
Skin Protection	: Wear protective clothing and gloves.

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Ventilations	: If in the form of fine dust, handle the material in an efficient fume hood.
Respirator	: If handling materials in the form of a fine dust and ventilation is not available, a respirator should be worn.
Ventilation	: If in the form of a fine dust, handle the material in an efficient fume hood.
Additional Protection	: No additional protection required

### SECTION 9: Physical and Chemical Properties

Color and Form	: Gray & Random metal pieces
Molecular Weight	: 47.90
Melting Point	: 1668°C
Boiling Point	: 3260°C
Vapour Pressure	: No data
Specific Gravity	: 4.54
Odour	: None
Solubility in Water	: Insoluble

### SECTION 10: Stability and Reactivity

Stability	: Air and moisture-stable solid
Hazardous Polymerization	: None
Conditions to Avoid	: None
Incompatibility	: Halogens (Especially as a powder)
Decomposition Products	: None

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### SECTION 11: Disposal Considerations

Disposal : Dispose of according to local, state and federal regulations.

### SECTION 12: Transportation

Shipping Name : Titanium sponge  
Hazard Class : 4.1  
UN ID Number : UN#2878  
Shipping Name (IATA) : Titanium sponge  
Packaging Group (IATA) : III

### SECTION 13: Other Information

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

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