

MATERIAL SAFETY DATA SHEET

YTTERBIUM METAL POWDER MSDS CAS: 7440-64-4

Section 1: Chemical Product and Company Identification

Section 1: Chemical Product

Product Name: YTTERBIUM METAL POWDER

CAS#: 7440-64-4

Synonym:

Chemical Name: Not available.

Chemical Formula: Yb

Brand : OXFORD

Details Of The Supplier Of The Safety Data Sheet :

Company identification: **OXFORD LAB FINE CHEM LLP**
Unit. No. 12, 1st Floor, Neminath Industrial Estate No. 6,
Navghar, Vasai (East). Palghar - 401 210.
Mumbai, Maharashtra, INDIA.
Tel: 91-250-2390989
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Section 2: Composition and Information on Ingredients

Composition:

Name	CAS #	% by Weight
Ytterbium	7440-64-4	99.9

Section 3: Hazards Identification

Classification : This chemical is considered hazardous by the 2012 OSHA Hazard

Section 3: Hazards Identification (Continued)

Label Elements :

Signal Word : Warning

Hazard Statements : Harmful if swallowed. Harmful in contact with skin. Causes skin irritation. Causes serious eye irritation. Harmful if inhaled. May cause respiratory irritation.

Precautionary Statements :

Prevention: Wash face, hands and any exposed skin thoroughly after handling Do not eat, drink or smoke when using this product Wear protective gloves/protective clothing/eye protection/face protection Avoid breathing dust/fume/gas/mist/vapors/spray Use only outdoors or in a well-ventilated area

Inhalation: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing Call a POISON CENTER or doctor/physician if you feel unwell

Skin: IF ON SKIN: Wash with plenty of soap and water Call a POISON CENTER or doctor/physician if you feel unwell If skin irritation occurs: Get medical advice/attention Take off contaminated clothing and wash before reuse

Eyes: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing If eye irritation persists: Get medical advice/attention

Ingestion: IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell Rinse mouth

Storage: Store in a well-ventilated place. Keep container tightly closed Store locked up

Disposal: Dispose of contents/container to an approved waste disposal plant

Hazards not otherwise classified (HNOC): None identified

Section 4: First Aid Measures

Eye Contact: Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Obtain medical attention.

Skin Contact: Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. Obtain medical attention.

Inhalation: Remove from exposure, lie down. Move to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Obtain medical attention.

Ingestion: Clean mouth with water. Get medical attention.

Most important symptoms/effects: No information available.

Section 4: First Aid Measures (continued)

Notes to Physician: Treat symptomatically

Section 5: Fire and Explosion Data

Suitable Extinguishing Media: Dry chemical.

Unsuitable Extinguishing Media: No information available

Flash Point: No information available

Method: No information available

Autoignition Temperature: No information available

Explosion Limits:

Upper: No data available

Lower : No data available

Sensitivity to Mechanical Impact: No information available

Sensitivity to Static Discharge: No information available

Specific Hazards Arising from the Chemical: Combustible material.

Hazardous Combustion Products: Thermal decomposition can lead to release of irritating gases and vapors

Protective Equipment and Precautions for Firefighters: As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

NEPA:

Health	Flammability	Instability	Physical hazards
2	0	0	N/A

Section 6: Accidental Release Measures

Personal Precautions: Ensure adequate ventilation. Use personal protective equipment.

Environmental Precautions: See Section 12 for additional ecological information.

Methods for Containment and Clean Up: Remove all sources of ignition. Use spark-proof tools and explosion-proof equipment. Sweep up or vacuum up spillage and collect in suitable container for disposal.

Section 7: Handling and Storage

Handling : Avoid contact with skin and eyes. Do not breathe dust. Do not breathe vapors or spray mist. Use explosion-proof equipment. Use only non-sparking tools.

Storage : Keep in a dry, cool and well-ventilated place. Keep container tightly closed. Keep away from heat and sources of ignition. Flammables area. Keep under nitrogen.

Section 8: Exposure Controls/Personal Protection

Exposure Guidelines: This product does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

Engineering Measures: Ensure adequate ventilation, especially in confined areas.

Personal Protective Equipment:

Eye/face Protection: Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.

Skin and body protection: Wear appropriate protective gloves and clothing to prevent skin exposure.

Respiratory Protection: Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 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.

Hygiene Measures: Handle in accordance with good industrial hygiene and safety practice.

Section 9: Physical and Chemical Properties

Physical State :	Powder Solid
Appearance :	Grey
Odor:	No information available
Odor Threshold :	No information available
pH :	No information available
Melting Point/Range :	824 °C / 1515.2 °F
Flammability (solid, gas) :	No information available

Section 9: Physical and Chemical Properties (Continued)

Molecular Weight : 173.04
Molecular Formula : Yb

Section 10: Stability and Reactivity Data

Reactive Hazard : None known, based on information available

Stability : Moisture sensitive. Air sensitive.

Conditions to Avoid : Keep away from open flames, hot surfaces and sources of ignition. Exposure to air.
Incompatible products. Exposure to moist air or water.

Incompatible Materials : Halogens

Hazardous Decomposition Products: Thermal decomposition can lead to release of irritating gases and vapors

Hazardous Polymerization : Hazardous polymerization does not occur.

Hazardous Reactions: None under normal processing.

Section 11: Toxicological Information

Acute Toxicity:

Product Information: No acute toxicity information is available for this product

Component Information Toxicologically Synergistic Products: No information available

Delayed and immediate effects as well as chronic effects from short and long-term exposure:
Irritation: No information available

STOT - single exposure: Respiratory system

STOT - repeated exposure: None known

Section 11: Toxicological Information (Continued)

Aspiration hazard: No information available

Symptoms / effects, both acute and delayed: No information available

Endocrine Disruptor Information: No information available

Other Adverse Effects: The toxicological properties have not been fully investigated.

Section 12: Ecological Information

Ecotoxicity: Do not empty into drains.

Persistence and Degradability: No information available

Bioaccumulation/ Accumulation: No information available.

Mobility: No information available.

Section 13: Disposal Considerations

Waste Disposal Methods: Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. Chemical waste generators must also consult local, regional, and national hazardous waste regulations to ensure complete and accurate classification.

Section 14: Transport Information

DOT: Not regulated

TDG: Not regulated

IATA:

UN-No: 3089

Proper Shipping Name: METAL POWDER, FLAMMABLE, N.O.S.

Hazard Class: 4.1

Packing Group: III

Section 14: Transport Information (Continued)

IMDG/IMO:

UN-No:	3089
Proper Shipping Name:	METAL POWDER, FLAMMABLE, N.O.S.
Hazard Class:	4.1
Packing Group:	III

Section 15: Other Regulatory Information

Safety, health and environmental regulations/legislation specific for the substance or mixture :
Ensure all national/local regulations are observed.

REACH Restrictions - Annex XVII : The components of this product are not subject to restrictions

REACH Authorisation - Annex XIV : The components of this product are not subject to authorization.

Chemical Safety Assessment : It has not been carried out.

Section 16 - Additional Information

References: Not available.

Other Special Considerations: Not available.

Disclaimer:

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