	MATERIAL SAFETY DATA SHEET	Ref no. : MSDS/PDS/911 Issue No. : 02 Rev. No. : 01 Date :01.04.2024
	ZINC Wire	

SECTION 1: Product identification	
Manufacturer name:	KOTHARI METSOL PVT LTD
Address:	Gat No. 130, Village Dhanore Off Alandi Markal Road, Tal - Khed, Dist- Pune 412105 State: Maharashtra , India
Chemical Name:	Zinc wire (99.995%)
Product Number:	MS/911
CAS Registry Number:	7440-66-6
Formula:	Zn
EINECS Number:	231-175-3
Chemical Family:	Metal or Element
Synonym:	none
Contact person:	Mrs. Smitha Sahastrabudhe (Sales Head)
Email:	sales@khoslaengineering.com
Contact no:	+91922607272/ 02135 678405.

SECTION 2: Hazard Identification	
Emergency Overview:	Inhalation of zinc dust may produce metal fume fever or zinc shakes consisting of chills, fever, muscular pain, nausea, and vomiting.
Primary Routes of Exposure:	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.
Inhalation:	Hazard associated with inhalation of fine dust or fume. May be irritating to nasal cavity and respiratory tract.
Ingestion:	Zinc dust gives a harsh metallic taste and may cause nausea and vomiting
Acute Health Effects:	Dust may be irritating to skin, eyes and respiratory tract. Inhalation of zinc dust may cause chills and nausea.
Chronic Health Effects:	No serious long-term chronic effects reported. Prolonged inhalation of dust may cause laryngitis. Prolonged ingestion may causes constipation.
Emergency Overview:	Inhalation of zinc dust may produce metal fume fever or zinc shakes consisting of chills, fever, muscular pain, nausea, and vomiting.

SECTION 3: Composition and Information on Ingredients				
Ingredient	CAS Number	Percent	ACGIH (TWA)	OSHA (PEL)
Title Compound	7440-66-6	99.995 %	no data	no data

SECTION 4: First Aid Measures	
Eye Exposure:	(For dust) Immediately flush the eyes with copious amounts of water for at least 10-15 minutes. A victim may need assistance in keeping their eye lids open. Get immediate medical attention.
Skin Exposure:	The material is in the form of a metal wire. Skin exposure is not an issue.
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:	The material is in the form of a metal wire. Ingestion is an unlikely occurrence.
Antidote:	The use of calcium disodium EDTA as a chelating agent should be determined by qualified medical personnel.

SECTION 5: Fire Fighting Measures	
Flash Point:	Not Applicable
Autoignition Temperature:	460 deg C (860.00 deg F)
Explosion Limits:	Not Applicable
Extinguishing Media:	Do NOT use water directly on fire. Use dry chemical to fight fire. Use approved class D extinguishing agents or smother with dry sand, clay, or sodium

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	bicarbonate.
Special Fire Fighting Procedures:	No special fire fighting procedures required for this material.
Hazardous Combustion and Decomposion Products:	None
Unusual Fire or Explosion Hazards:	Potentially combustible as fine dust. Dust may form explosive mixtures with air under some conditions.
Hazardous Combustion and Decomposion Products:	None
Unusual Fire or Explosion Hazards:	Potentially combustible as fine dust. Dust may form explosive mixtures with air under some conditions.

SECTION 6: Accidental Release Measures	
Spill and Leak Procedures:	Not applicable; Material is a Metal Rod
SECTION 7: Handling and Storage	
Handling and Storage:	No special storage or handling conditions required.
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 clothes and gloves. Consult glove manufacturer to determine the proper type of glove.
Ventilation:	If in the form of a fine dust, handle the material in an efficient fume hood.
Respirator:	If handling material in the form of a fine dust and ventilation is not available, a respirator should be worn. The use of respirators requires a Respirator Protection Program to be in compliance with 29 CFR 1910.134.
Additional Protection:	No additional protection required.
SECTION 9: Physical and Chemical Properties	
Color:	Bluish white, silvery gray
Physical State:	Solid
Molecular Weight:	65.38
Melting Point:	419.58°C
Boiling Point:	907°C
Vapor Pressure:	1mm @(487 °C)
Specific Gravity:	7.14
Odor:	odorless
Solubility in water:	Reacts with water
Viscosity:	Not applicable
SECTION 10: Stability and Reactivity	
Stability:	air and moisture stable
Hazardous Polymerization:	no hazardous polymerization
Conditions to Avoid:	Mixtures of fine dust with air in contact with an ignition source.
Incompatibility:	Mineral acids, halogens, oxidizers, sulfur, phosphorus, halogenated hydrocarbons, strong bases and ammonium nitrate
Decomposition Products:	none
SECTION 11: Toxicological Information	

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RTECS Data:	Administration onto the skin (human); Standard Draize test: 300 ug/3D (Intermittent). Inhalation (human); TCLo: 124 mg/m3/50M.
Carcinogenic Effects:	No data available
Mutagenic Effects:	No data available
Tetratogenic Effects:	No data available
SECTION 12: Ecological Information	
Ecological Information:	No information available.

SECTION 13: Disposal Considerations	
Disposal:	Dispose of according to local, state, and federal regulations.
SECTION 14: Transportation	
Shipping Name (CFR):	Non-hazardous
Hazard Class (CFR):	NA
Additional Hazard Class (CFR):	NA
Packaging Group (CFR):	NA
UN ID Number (CFR):	NA
Shipping Name (IATA):	Non-hazardous
Hazard Class (IATA):	NA
Additional Hazard Class (IATA):	NA
Packaging Group (IATA):	NA
UN ID Number (IATA):	NA
SECTION 15: Regulatory Information	
TSCA:	Listed in the TSCA inventory
SARA (Title 313):	Title compound listed as fume or dust
Second Ingredient:	none
SECTION 16: Other Information	
Disclaimer:	The information herein is believed to be accurate and reliable as of the date compiled. However, Kothari Metsol 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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