MATERIAL SAFETY DATA SHEET	MSDS : 12 ISSUE NO. : 02 REV. NO. : 01 DATE : 01.04.2024
85/15 Zn/Al Spray Wire	

SECTION 1: Product Identification	
Manufacturer name:	KOTHARI METSOL PVT LTD
Chemical Name:	85/15 (Zn/Al) Wire
Product Number:	MS/930
Formula:	85/15 Zn/Al
Chemical Family:	Metal or Element
Synonym:	none

SECTION 2: Composition and Information on Ingredients					
Ingredient	CAS Number	EC Number	Percent	ACGIH (TWA)	OSHA (PEL)
Zinc	7440-66-6	231-175-3	85 ± 1 %	no data	no data
Aluminium	7429-90-5	231-072-3	15 ± 1 %	no data	no data

SECTION 3: Hazards 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 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:	Not Available
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 bicarbonate.
Special Fire Fighting Procedures:	No special fire fighting procedures required for this material.
Hazardous Combustion and Decomposion Products:	None

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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 Wire
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:	Shiny bluish-silvery lustrous metal
Physical State:	Solid
Specific Gravity @ 20°C:	5.74
Melting Point:	382 – 440 °C
Vapor Pressure:	Negligible @ 20ºC
Density:	5.73 g/cm3
Tensile Strength:	90-160 mpa
Elongation after rupture:	70-200 %
Odor:	None
Solubility in water:	Reaction
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	
RTECS Data:	Administration onto the skin (human) : Acute

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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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