

Material Safety Data Sheet – Page 1/2

Ver 1.05 Reviewed on : 28/11/2016

1. Product Manufacturer / Identification

Product Identification: Aluminium Wire

Recommended Use: For Metallisation of Film

Manufacturer: Electrolead (Pune) Pvt. Ltd.

Head Office: Gat No. 146 Mahalunge, Taluka Khed, District Pune, India

Post Code: 410501

Tel : +91 9272212120

Email : sales@electrolead.co.in

2. Composition

Chemical Characterisation: Aluminium

Form: Wire

Odour: None

Color: Silver grey

The product does not contain any hazardous substances, refer to our Food Contact Certificate

Complies with the following standards

EN-573-3:2008 ; EC 1935/2004; EU 2023/2006; BS EN 602:2004; FDA (21 CFR 178.3910); DIN EN 14287; 94/20/CE art 11 sec. 1; EU Directive 1907/2006 article 33(I) – REACH; EU 1272/2008; RoHS 2011/65/EU

EC No. : 231-072-3 CAS No : 7429-90-5

Aluminium supplied is not part of Conflict Minerals

3. Hazard Identification

No Specific danger is associated to the normal industrial utilisation of the product. However, it is to be considered that wire should not be left loose outside the spool to avoid tripping of personnel on floor. Aluminium is a good conductor of electricity, the wire should be kept away from electrical power sockets. Ensure that the loose end of the wire remaining in the spool is locked in the locking hole provided on the spool.

4. First Aid Measures

Inhalation/ingestion : Considering the physical form of the product, inhalation and/or ingestion are not likely to be possible during normal use.

Skin Contact : In case of skin injuries due to aberration of the cut end of wire, seek medical assistance.

Eye Contact : Protective Eye Wear (Goggles) should be worn while handling the wire.

5. Fire Fighting Measures

Aluminium Wire is not inflammable and hence does not need any specific fire fighting measures. However the packing material is corrugated paper and spool is made of plastic. Spraying water / foam is sufficient for fire fighting.

Self-ignition temperature: > Aluminium does not self ignite.

Combustion products: Packing material and Spools can catch fire if exposed to fire

Decomposition products:

Aluminium will melt at temperatures above 600deg C and will vaporize at temperatures above 1400 deg C. Packing material will burn and other products as hydrocarbons and CO2 may be formed.

Recommended extinguishing media: water, foam

First aid:

In case of the inhalation of fumes of burning packing material, the affected person should be removed to fresh air as soon as possible and artificial respiration applied as necessary. Medical attention should be obtained immediately.

Hazchem code: Not available

6. Accidental Release Measures

Do not keep spool with leftover wire on the floor, in order to avoid possible tripping of personnel on the floor.

7. Handling and Storage:

Individual spools weight does not exceed 12kgs and hence can be lifted by bare hands. However care should be taken to ensure that the wire is fixed to the edge holes so that it does not get un-wound. Packing boxes contain 3 Spools and may need assisted lifting. Pallets may weigh several hundred kilos and will need fork lifts. Pallets should always be lifted from bottom and should never be lifted by overhead cranes as this can crush and damage the spools. Store the spools in the original boxes provided and keep the boxes and the pallet in a dry and moderate environment, ambient temperature and humidity preferably 25 °C, 50% relative humidity respectively. Do not stack pallets as stacking can damage the material.

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8. Exposure Controls / Personal Protection

During normal handling protective gloves and the use of usual protective equipment are recommended.

Follow the safety procedures recommended by the Metalliser OEM while operating and handling the metalliser.

9. Physical and Chemical Properties:

These are indicative values only and should not be regarded as product specification.

General information:

Appearance: Aluminium

Physical state at 20 °C: solid

color: Silver Grey

Wire wound on a spool

Important health, safety and environmental information:

Melting range: beyond 600 °C

Auto ignition temperature: Not Applicable

Solubility in water: insoluble

10. Stability and Reactivity:

The product is stable and non-reactive at normal handling and storage conditions.

Hazardous reactions: None

11. Toxicological Information:

Non toxic

Compliant Under the European Regulation EC 1935/2004 which defines the Framework Regulation on materials and articles intended to come into contact with food

12. Ecological Information:

When disposed of under orderly conditions no environmental damage occur. Does not contain additives based on heavy metals like lead, cadmium, mercury or chromium.

13. Disposal Consideration:

Can be recycled or may be disposed of in accordance with local official regulation.

14. Transport Information:

Not restricted for transportation in road, marine and air. Not classified as dangerous goods.

15. Regulatory Information:

Not classified as dangerous substance.

16. Other Information:

Statements are made due to latest state of our knowledge. They shall describe our product with regard to safety requirements, thus do not mean a guarantee for certain characteristics.

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Prepared & Signed By : Mr. Abhijit Mehta (Director)

Date : 06/05/2016