

MG ELECTRICA Plot No. F-41, MIDC, SATPUR, NASIK – 422 007	MATERIAL SAFETY DATA SHEET – ALUMINUM DOC/QAD/MSDS-01 Rev-00
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ALUMINUM LUGS MATERIAL SAFETY DATA SHEET

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product Identity: Aluminum Lugs

Manufacturer:

M.G.ELECTRICA
 F-41, MIDC Satpur Indl Area
 Nasik-422 007,
 Maharashtra,
 India
 Tele: 0253-2350961

MSDS Preparer:

M.G.ELECTRICA
 F-41, MIDC Satpur Indl Area
 Nasik-422 007,
 Maharashtra,
 India
 Tele: 0253-2350961

Date of Last MSDS Revision: March, 18, 2011

Raw Material Use: Aluminum Tube

SECTION 2. COMPOSITION / INFORMATION ON INGREDIENTS

Material	Approximate Percent by Weight	CAS No.	Exposure Limits (mg/m ³)
Aluminum	90-99.7 %	7429-90-5	OSHA/PEL: 10 (metal dust & oxide) 5 (welding fumes) ACGIH/TLV: Not Established

Note: **OSHA** – Occupational Safety and Health Administration; **ACGIH** – American Conference of Governmental Industrial Hygienists; **PEL** – Permissible Exposure Limit; **TLV** – Threshold Limit Value

SECTION 3. HAZARDS IDENTIFICATION

Routes of entry: NA

Potential Health Effects: Slightly hazardous in case of skin contact (irritant). Non-irritating to eyes, and after ingestion as well. Aluminum is not carcinogenic, but it is toxic to lungs. Repeated exposure may deteriorate the organs, by accumulation.

SECTION: 4 FIRST AID MEASURES

Eye Contact: Immediately flush the eyes with plenty of water for at least 15 minutes. Get medical attention if irritation occurs.

Skin Contact: Wash the exposed area with soap and water; later on cover it with emollient. Get medical attention if any emergency.

Inhalation: Move the victim to fresh air. If not breathing, give either artificial respiration or oxygen in case of emergency.

Ingestion: Never give anything by mouth if victim is rapidly losing consciousness. DO NO INDUCE VOMITTING. Obtain medical advice, if material is swallowed in large quantities.

SECTION 5. FIRE FIGHTING MEASURES

Flammability: Non-Flammable

Flash Point: NA

Upper and Lower Flammable Limit: NA

Auto ignition Temperature: NA

Fire and Explosion Hazards: Risk of explosion of the product in presence of mechanical impact is not available.

Fire Fighting Media and Instructions: Use dry chemical powder, water spray, fog, foam.

SECTION 6. ACCIDENTAL RELEASE MEASURES.

Personal Precautions: Wear protective clothing, gloves, and respirator. Close fitting safety goggles should use to protect eyes from dust and fume.

Procedures for cleanup: Use appropriate tools to put the spilled solid in a convenient waste disposal container. Finish cleaning by spreading water on the surface and dispose according to local authority requirements.

SECTION 7. HANDLING AND STORAGE

Storage Temperature: Room Temperature

Average Shelf Life: NA

Storage Conditions: Store in tightly closed container, in a cool place, well ventilated moisture free area.

Other Precautions: Keep away from oxidizing agents, acids, alkalis.

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Protective clothing: Safety glasses, lab coat, gloves.

Engineering Controls: Local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits.

SECTION 10. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Silver-White	Odour: None	Physical state: Solid	Boiling Point: 2327°C
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Solubility: Insoluble in water Soluble in alkalis, Sulfuric Acid, HCl	Specific Gravity: 2.7	pH: NA	Melting Point: 660°C
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Chemical Name: NA	Chemical Formula: Al	Chemical Family: Aluminum
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SECTION 11. STABILITY AND REACTIVITY

Stability & Reactivity: Aluminum is stable and not considered reactive with oxidizing agents, acids, alkalis

Hazardous Decomposition Products: Aluminum reacts with sodium hydroxide. It is incompatible with strong oxidizers, acids, iodine, halogens and many more. It corrodes rapidly in contact with other metals.

Incompatible Materials: Halogens of barium, calcium, magnesium, potassium, zinc.

SECTION 12. TOXICOLOGICAL INFORMATION

Toxicity to Animals: Not Available

Acute Skin/Eye: Slightly hazardous in case of skin contact, Non-hazardous in case of ingestion.

Inhalation: Non-Hazardous in case of inhalation. In dust form it may cause respiratory tract irritation. Heating aluminum can release aluminum oxides fumes and cause fume metal fever. Symptoms: Metallic taste, fever, chills, aches, chest tightness, and cough.

Ingestion: Acute aluminum toxicity is unlikely.

Chronic: Irritation to eye and skin may take place after prolonged exposure. Aluminum is not listed as such a human carcinogen.

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity: NA

Biodegradation Products: Short term degradation products are not likely, but long term degradation products may arise.

Toxicity of the products of Biodegradation: The biodegradation products are less toxic as compare to aluminum.

SECTION 13. DISPOSAL CONSIDERATIONS

If material cannot be returned to process or salvage, dispose according to applicable regulations.

SECTION 14. TRANSPORT INFORMATION

No special shipping or transportation is required

DISCLAIMER OF LIABILITY:

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