

## BRASS LUGS MATERIAL SAFETY DATA SHEET

### SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Identity:** Brass 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:** Brass Sheet

### SECTION 2. COMPOSITION / INFORMATION ON INGREDIENTS

Material	Approximate Percent by Weight	CAS No.	Permissible Air Concentration (mg/m <sup>3</sup> )
Copper	85 %	7440-50-8	OSHA/PEL: 0.1 (fume) 1.0 (dust) ACGIH/TLV 0.2 (fume) 1.0 (dust)
Zinc	15 %	7440-66-6	OSHA/PEL: 5 (dust) ACGIH/TLV 5 (dust)

**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:**

**Inhalation** : Yes

**Dermal** : Yes

**Ingestion** : Yes

**Overview:** Inhalation may cause, irritation to upper respiratory tract, metal fume fever (symptoms: metallic taste, dryness and irritation to throat, influenza). Ingestion may cause

nausea, vomiting, and dizziness. Irritation to eyes and skin may happen due to prolonged exposure.

#### **SECTION: 4 FIRST AID MEASURES**

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**Eye Contact:** Immediately flush with plenty of water for at least 15 minutes, lifting upper and lower eyelids occasionally. Get medical attention immediately.

**Skin Contact:** Remove any contaminated clothing. Wipe off excess from skin. Immediately wash skin with soap and water for at least 15 minutes, if any emergency, get medical attention.

**Inhalation:** Move the victim to fresh air. If any symptoms of metal fume fever develop, obtain medical attention.

**Ingestion:** Let the victim rinse mouth thoroughly with water. DO NO INDUCE VOMITTING. Have victim drink 60-240 ml of water. Obtain medical advice for any emergency.

#### **SECTION 5. FIRE FIGHTING MEASURES**

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**Flash Point:** NA

**Upper and Lower Flammable Limit:** NA

**Auto ignition Temperature:** NA

**Fire and Explosion Hazards:** May release toxic metal oxide fume.

**Extinguishing Media:** DO NOT use water. Apply dry sand, or chemical powder.

#### **SECTION 6. ACCIDENTAL RELEASE MEASURES.**

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

**Environment Precautions:** Have potential to pose ecological effects to aquatic life forms under certain chemical conditions. Releases of the product to water and soil should, therefore be prevented.

**Procedures for cleanup:** Powder or dust should be cleaned up using methods which will minimize dust generation (e.g. vacuum solids, dampen material and shovel or wet sweep)

#### **SECTION 7. HANDLING AND STORAGE**

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**Storage Temperature:** Room Temperature

**Average Shelf Life:** NA

**Storage Conditions:** Store copper in a dry, covered area.

**Other Precautions:** Refrain from eating, drinking, or smoking in work areas. Thoroughly wash hands before eating, drinking, smoking in appropriate areas.

## SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Protective clothing:** gloves and work clothing are recommended to prevent prolonged and regular direct skin contact. Close fitting goggles should be worn where fume or dust is generated. Safety type boots are recommended.

**Ventilation:** use adequate local or general (exhaust) ventilation to maintain the concentration of exposures at lower level.

**Respirators:** use proper respiratory protection equipment.

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance:</b> Copper Colored	<b>Odour:</b> None	<b>Physical state:</b> Solid	<b>Boiling Point:</b> NA
<b>Solubility:</b> Insoluble	<b>Specific Gravity:</b> 8.4-8.75	<b>pH:</b> NA	<b>Melting Point:</b> 930°C
<b>Chemical Name:</b> NA	<b>Chemical Formula:</b> Cu <sub>3</sub> Zn <sub>2</sub>	<b>Chemical Family:</b> NA	

## SECTION 10. STABILITY AND REACTIVITY

**Stability & Reactivity:** Brass is stable and not considered reactive under normal temperatures and pressures.

**Hazardous Decomposition Products:** Flammable hydrogen gas will evolve when red brass is exposed to acid.

**Incompatible Materials:** Strong acids and bases. Explosive compounds formed In the presence of acetylene.

## SECTION 11. SPILL OR LEAK PROCEDURE

Isolate the spill area and provide ventilation. Vacuum up the spill and place in closed container for proper disposal. Dispose off the waste in accordance with state, local, federal regulations

## SECTION 12. TRANSPORT INFORMATION

No special shipping or transportation is required

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