



**SECTION III. FIRE AND EXPLOSION DATA.....**

Flash Point	NA
Auto ignition Temperature	Above 1093 °C
Flammability Limits in air	NA
Special Fire Fighting Instructions	Smother with dry powder suitable to the metal involved. Do not use foam, carbon dioxide or water. Use water spray to cool fire-exposed containers, structures and personnel.
Fire and Explosion Hazards	May contain oil that could become combustible under fire conditions. Exposed firefighters should wear WSHA/NIOSH approved self-contained breathing apparatus, with full-face mask and full protective equipment.

**SECTION IV. REACTIVITY DATA.....**

Stability	Stable under normal conditions
Hazardous Decomposition Products	Contacts with acids and alkali hydroxide results in evolution of hydrogen.

**SECTION V. HEALTH AND HAZARD INFORMATION.....**

Ingestion:	Moderately toxic. Symptoms may include metallic taste, Thirst, stomach pain, vomiting and bloody diarrhea.
Skin:	Moderately irritating and may cause allergic reactions in certain individuals.
Eyes:	Slightly to moderately irritating.
Inhalation:	Moderately toxic. May cause respiratory tract irritation. Repeated exposure to dust may cause pneumoconiosis and "Metal fume fever". Symptoms include nosebleed, headache, fever, chills, muscle aches, dry cough and chest pain.
Special Toxic Effects:	ND
Zinc and Zinc Compound	5-mg/cubic-meter PEL (OSHA 1978) 5-mg/cubic meter TLV (ACGIH 1984-85)
Copper and Copper Cmpd.	0.1 mg/cubic meter PEL (OSHA 1978) 0.2 mg/cubic meter (fume) TLV (ACGIH 1984-85) 1.0 mg/cubic meter TLV (dusts & mists as Cu) (ACGIH 1984-85)
Lead and Lead Compound	0.05 mg/cubic meter PEL (OSHA 1978)
Cadmium & Cadmium Cmpd.	0.2 mg/cubic meter PEL: 0.5-mg/cubic meter CL as Dust (OSHA 1978)
Effects of Overexposure	Irritation of eyes, conjunctivitis, swelling of eyelids, irritation of the nose and throat, coughing, shortness of breath, vomiting.

**SECTION VI. FIRST AID.....**

Ingestion: Do not induce vomiting. Get medical attention  
Skin Contact: Wash area thoroughly with soap and plenty of water. Get medical attention of irritation persists.  
Eye Contact: Flush immediately with plenty of water. Hold eyelids open while rinsing. Get medical attention if irritation persists.  
Inhalation: Remove person to fresh air. If not breathing institute CPR. If breathing is difficult, give oxygen. Get immediate medical attention.

**SECTION VII. SPECIAL PROTECTION INFORMATION.....**

Eye Protection: Wear chemical safety goggles. Do not wear contact lenses while working with this material. Have eye baths readily available.  
Skin Protection: Wear impervious gloves and protective clothing to prevent skin contact. Shower and change into street clothing after work.  
Respiratory Equipment: Use NIOSH or MSHA approved equipment when airborne exposure limits are exceeded. Ventilation can be used to reduce airborne concentrations.

**SECTION VIII. SPILL OR LEAK PROCEDURES.....**

If your facility has an "Oil or Hazardous Substance Contingency Plan activate it procedure.  
Take immediate steps to stop or contain the spill. Caution should be exercised regarding personnel safety and exposure to the spilled material.  
For technical assistance contact Chemtrec at (800) 424-9300 and your local fire dept.  
Notify the National Response Center, if required.  
Keep unnecessary people away. Stay upwind and out of low areas. See personal protections information section of this MSDS.  
Dry Spills: Shovel or sweep into dry containers and cover.  
Notification: The reportable quantity for this material is one pound. Any spill or other release of this material to the air, water or land (unless fully contained) equal to or exceeding the reportable quantity must be reported immediately to the National Response Center at (800) 424-8802 as required by Federal Law. Failure to report may result in substantial civil and criminal penalties.

**SECTION IX. WASTE DISPOSAL.....**

This substance, when discarded or disposed of, is not specifically listed as a hazardous waste in Federal Regulations. However, it could be hazardous if it is considered toxic, corrosive, ignitable or reactive according to Federal definitions (40CFR 261). In addition, it could be designated as hazardous according to state regulations. This substance could also become a hazardous waste if it is mixed with or comes in contact with a hazardous waste. If this occurs, check 40 CFR 261 to determine whether it is a hazardous waste. If it is a hazardous waste, regulations at 40 CRR 262, 263 and 264 apply.

**SECTION X. ENVIRONMENTAL INFORMATION.....**

This material contains a mixture of substances, some of which are listed as toxic pollutants pursuant to 40 CFR 122.21, Appendix D, Table II/III. Any unusual introduction of this material into the facility’s process streams. Storm water and/or wastewater could result in the violation of Federal Law. Facilities must notify the USEPA as soon as they know, or have reason to believe, that any activity has occurred, or will occur, which would result in the discharge of a toxic pollutant which is not regulated in the facility’s NPDES permit. Notification levels are described in 40 CFR 122,42(a) (2). Refer to spill section for additional regulatory requirements.

**SECTION XI. REGULATORY INFORMATION.....**

**NOTICE:** The information herein is presented in good faith and believed to be accurate. However, no warranty, express or implied, is given. Regulatory requirements are subject to change and may differ from one location to another. It is the buyer’s responsibility to ensure that its activities comply with Federal, State and local laws.

**U.S. REGULATIONS:** SARA 313 Information; This product contains the following substance subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372:

Zinc and Zinc Compounds	15% to 30%
Copper and Copper Compounds	35% to 55%
Ammonium Carbonate	less than 5%

**SARA HAZARD CATEGORY:** This product has been reviewed according to the EPA “Hazard Categories” promulgated under Sections 311 and 312 of the Superfund Amendment and Reauthorization Act of 1986 (SARA Title III) and is considered, under applicable definitions, to meet the following category:

**AN IMMEDIATE HEALTH HAZARD**

**SECTION XII. SHIPPING INFORMATION.....**

D.O.T Hazard Class (49 CFR 172,101): NA  
D.O.T. Proper Shipping Name (49CFR 171.101): NA  
D.O.T. Labels Required (49 CFR 172.101): NA  
D.O.T. Placards Required: NA  
Bill of Lading Description: Leaded Brass Metal Mud  
UN/NA Code: NA

**SECTION XII. MSDS PREPARATION INFORMATION.....**

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