

AUFHAUSER

MATERIAL SAFETY DATA SHEET

PRODUCT: Aufhauser AM52-3 Zinc Alloy Revised: 03-16-09

SECTION 1: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

SUPPLIER : AUFHAUSER CORPORATION  
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FOR EMERGENCY, CALL 1-516-694-8696, 9AM TO 5PM.

SECTION 2: COMPOSITION INFORMATION ON INGREDIENTS

MATERIAL	% BY WEIGHT	CAS NUMBER	ACGIM TLV (MG/M3)	Pel mg/m3	SEC 313
ALUMINUM Dust/Fum	3.75-4.20	7429-90-5	10/5.0	15.0/5.0 Resp	YES
COPPER Dust/Fume	2.2-2.85	7440-50-8	2.75	1.0/0.2	YES
ZINC	93	7440-66-8	See oxide	See oxide	YES
ZINC OXIDE Dust/Fume		1314-13-2	10.0/5.0	15.0/5.0 resp.	YES

SECTION 3 PHYSICAL PROPERTIES

BOILING POINT 2400 F  
 MELTING POINT 728 F  
 VAPOR PRESSURE N/A  
 VAPOR DENSITY (AIR-1) N/A  
 SOLUBILITY IN WATER Soluable  
 SPECIFIC GRAVITY 6.7  
 EVAPORATION RATE N/A  
 APPEARANCE AND ODOR SILVER, BLUISH WHITE METAL

SECTION 4 FIRE AND EXPLOSION DATA

FLASH POINT N/A  
 EXTINGUISHING MEDIA CO2 OR DRY CHEMICAL EXTINGUISHER. DO NOT USE WATER. Will react violently with molten metals.  
 SPECIAL PROCEDURES USE NIOSH/MSHA SELF-CONTAINED BREATHING APPARATUS  
 UNUSUAL HAZARDS HEATING METAL BEYOND BOILING POINT RESULTS IN EVOLUTION OF ZINC VAPOR WHICH IMMEDIATELY REACTS WITH AIR TO FORM ZINC OXIDE FUME  
 Small Chips, turnings, and dust will ignite readily – Dust cloud may be explosive.

SECTION 5 REACTIVITY DATA

STABILITY STABLE  
 CONDITIONS TO AVOID N/A  
 HAZARDOUS POLYMERIZATION WILL NOT OCCUR  
 INCOMPATIBILITY STRONG ACIDS/ALKALIS  
 HAZARDOUS DECOMPOSITION PRODUCES N/A

SECTION 6 HEALTH HAZARD DATA

ROUTER OF ENTRY INHALATION, INGESTION. Acute exposure may cause irritation to eyes, nose, throat, cause metallic taste in mouth, cause metal fume fever or produce flu like symptoms

HEALTH HAZARDS CARCINOGENICITY	chronic. Avoid ingestion or exposure to fumes. Avoid contact with skin. Wear gloves. N/A
SIGNS & SYMPTOMS OF EXPOSURE	EXCESSIVE INHALATION OF ZINC OXIDE FUME (SECTION IV) MAY PRODUCE SYMPTOMS KNOWN AS ZINC SHAKES. AN ACUTE SELF-LIMITING CONDITION WITHOUT RECOGNIZED COMPLICATIONS. SYMPTOMS USUALLY DISAPPEAR WITHIN 24 HRS. Could cause metal fume fever Flu like symptoms. May cause dermatitis. Mechanical irritation of the eye possible.
MEDICAL CONDITIONS FROM EXPOSURE EMERGENCY AND FIRST AID	Lung conditions may be exaggerated. REMOVE TO FRESH AIR. TREATMENTS SUCH AS BED REST, AND POSSIBLE ASPIRING TO RELIEVE FEVER AND CHILLS, CONSULT PHYSICIAN IF SYMPTONMS PERSIST.
ADDITIONAL INFORMATION	

SECTION 7 PRECAUTIONS FOR SAFE HANDLING AND USE

SPILL AND LEAK PROCEDURES	RECYCLABLE SOLID. VACUUMING RECOMMENDED FOR ACCUMULATED DUST
WASTE AND DISPOSAL METHOD HANDLING AND STORING PRECAUTIONS	CONFORM WITH FEDERAL, STATE, LOCAL, & OSHA REFULATORY STATUTES. CONFORM WITH APPLICABLE REGULATORY STATUTES, DRY STORAGE, AMIENT TEMPERATURES.
OTHER PRECAUTIONS	USE APPROVED RESPIRATORY PROTECTION IF CHRONIC DUST / FUME EXPOSURE EXISTS

SECTION 8 CONTROL MEASURES

RESPIRATORY MEASURES VENTILATION	APPROVED RESPIRATOR WHERE DUST OR FUMES ARE PRESENT EXHAUST FUMES AWAY FROM SOLDERING AREA. CONFORM WITH APPLICABLE REGULATION.
PROTECTIVE GLOVES EYE PROTECTION	RECOMMENDED .S RECOMMENDED
OTHER PROTECTIVE EQUIPMENT	STANDARD PROTECTIVE EQUIPMENT USED IN SOLDERING (APPLICABLE) OPERATIONS, CONFORM WITH FEDERAL, STATE LOCAL AND OSHA REGULATORY STATUES.
WORK/ HYGIENIC PRACTICES	FOR MAXIMUM SAFETY: BE CERTIFIED FOR AND WEAR A RESPIRATOR AT ALL TIMES WHEN WELDING OR BRAZING. Wear protective gloves. Wash hands after use. Avoid fumes.

SECTION 9 DISCLAIMER

THIS DATA IS BELIEVED TO BE ACCURATE. AUFHAUSER CORPORATION MAKES NO WARRANTY TO AND DISCLAIMS ALL LIABILITY FROM RELIANCE.

SECTION 10 ADDITIONAL INFORMATION

HMIS CLASSIFICATION  
Health: 0 (Blue) Flammability: 0 (Red) Reactivity: 0 (Yellow) Protective Equipment: X (use respiratory apparatus and body protection see section 8)