

M A T E R I A L   S A F E T Y   D A T A   S H E E T

MANUFACTURER'S NAME:  
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HMS HAZARD RATINGS:  
 HEALTH: \*1  
 FLAMMABILITY: 0  
 REACTIVITY: 0  
 PERSONAL PROTECTION: F,X  
 DATE OF PREPARATION:  
 10/03/2003

SECTION I - PRODUCT IDENTIFICATION

PRODUCT NUMBER: 859.06B  
 PRODUCT NAME: ZINC DUST  
 PRODUCT CLASS: Zinc Rich Coating, Part B

SECTION II - HAZARDOUS INGREDIENTS

DESCRIPTION	CAS NO.	PERCENT		OSHA EXP LIMITS (ppm)				ACGIH TLV (ppm)		SARA 313	VP, mmHg @77 F
		By Wt.	CARC+	Ceil	STEL	PEL	STEL	TWA	mg/m3		
Metallic Zinc Powder		95-100	N							5.00	Y
ZINC OXIDE POWDER		<3	N							5.00	

DOES NOT CONTAIN CHLOROFLUOROCARBONS (CFC's) OR OTHER OZONE DEPLETING SUBSTANCES (ODS) IF USED UNDER NORMAL CONDITIONS.  
 IF THIS PRODUCT IS A PART OF A MULTI-COMPONENT COATING, PRECAUTIONS FOR ALL COMPONENTS SHOULD BE OBSERVED AFTER MIXING.  
 DOES NOT CONTAIN LEAD OR OTHER REGULATED METALS.

ALL PERSONNEL HANDLING THIS PRODUCT MUST BE PROTECTED FROM ABOVE INGREDIENTS BY KEEPING EXPOSURE LIMITS BELOW MAXIMUM.

CARC+ - 'Y' indicates that this ingredient is a suspected or is a known carcinogen. Refer to SECTION V for further details.

SECTION III - PHYSICAL DATA

BOILING RANGE: VAPOR DENSITY: N/A  
 EVAPORATION RATE: N.A. PERCENT VOLATILE BY VOLUME: 0.00  
 VOC: 0.00 #/Gal or 0 gr/li, water and VOC exempt solvents excluded, based on EPA Method 24. Wt/Gal: 58.20  
 Actual VOC is 0.00 #/gal. This is the total regulated VOC per gallon of paint if applied without addition of regulated solvents.

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLAMMABILITY CLASSIFICATION: OSHA - NOT REGULATED FLASH POINT: N/A. Readily burns in air if ignited.  
 DOT - N.A. LEL:  
 EXTINGUISHING MEDIA: CO2, Dry Chemical. AVOID WATER.  
 UNUSUAL FIRE AND EXPLOSION HAZARDS: Cover container to exclude air. Water slowly dripping into open container of dust may cause an explosive condition due to the accumulation of hydrogen formed by the reaction of zinc with water. Dry zinc will not ignite spontaneously, but powder dispersed in air burns readily once ignited.  
 SPECIAL FIREFIGHTING PROCEDURES: Firefighters must wear respiratory equipment to avoid inhalation of fumes.  
 UN Classification No.: PAINT - UN 1263 Vers A #6

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SECTION V - HEALTH HAZARD DATA

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EFFECTS OF OVEREXPOSURE: EYE CONTACT: Redness, blurred vision, severe irritation.

INHALATION: Freshly formed fume may cause 'fume fever' or 'zinc shakes', a temporary condition.

SKIN CONTACT: Temporary irritation and dermatitis caused by defatting action on skin.

INGESTION: Can cause gastrointestinal irritation, vomiting, nausea and diarrhea.

CAUTION: Inhalation of fume can cause pulmonary problems and is extremely irritating to mucous membranes.

MEDICAL CONDITIONS PRONE TO AGGRAVATION BY EXPOSURE: Respiratory, skin & kidney diseases.

PRIMARY ROUTES OF ENTRY: Ingestion, inhalation.

EMERGENCY AND FIRST AID PROCEDURES: CONSULT A PHYSICIAN IN ALL CASES.

EYE CONTACT: Flush with large quantities of water for 15 minutes.

INHALATION: Move to fresh air, if breathing stops, apply artificial respiration.

SKIN CONTACT: Remove contaminated clothing and wash affected skin with soap and water.

INGESTION: Drink milk to counteract metal fume fever. CONSULT A PHYSICIAN.

OTHER HEALTH WARNING: Chemicals that are known, or are suspected carcinogen, if formulated in this product, are listed under Section II. It may also inadvertently contain, though not intentionally added, trace amounts of chemicals that are not listed that may cause cancer, birth defect or reproductive harm. Expectant mothers must not work with this or other chemicals without consulting a physician.

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SECTION VI - REACTIVITY DATA

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STABILITY: Stable

HAZARDOUS POLYMERIZATION: Will not occur.

HAZARDOUS DECOMPOSITION PRODUCTS: Will react with water to form hydrogen gas which may explode in confined area. Burning will produce oxides of zinc and other potentially dangerous vapors and fumes.

CONDITIONS TO AVOID: High heat, sources of ignition, poor ventilation, humid conditions.

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SECTION VII - SPILL OR LEAK PROCEDURES

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STEPS TO BE TAKEN IN CASE MATERIALS IS RELEASED OR SPILLED: Eliminate ignition sources, provide good ventilation, shovel or sweep powder then clean residual amount using vacuum cleaner.

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SECTION VIII - SAFE HANDLING AND USE INFORMATION

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RESPIRATORY PROTECTION: Use NIOSH or Bureau of Mines approved respirator designed to remove dust particulates and fumes, specifically that of zinc. If combined with Component A Liquid, refer to that MSDS for respiratory protection.

VENTILATION: Use explosion proof mechanical ventilation to keep exposure levels below TLV. (Refer to Part A portion also.)

PROTECTIVE GLOVES: Use gloves to avoid irritation by defatting action of the powder.

EYE PROTECTION: Use safety goggles or shields to minimize eye irritation.

OTHER PROTECTIVE EQUIPMENT: Use aprons, gloves, head caps, and dust collection system if handled in large quantities.

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SECTION IX - SPECIAL PRECAUTIONS

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PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: Use non-sparking tools when handling this material. Avoid exposure to high heat and sources of ignition. Store in cool, well ventilated area. Vapors may collect in low areas.

OTHER PRECAUTIONS: Store and use in non smoking areas. Keep covered when not in use and keep out of reach of children. Do not drill, cut, weld, or braze empty containers. The dried film of this product may become dust nuisance when removed by

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SECTION X - OTHER INFORMATION

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REGULATORY INFORMATION: Users must determine the suitability of this product in meeting any Federal, State, or Local emission restrictions. It is also the user's responsibility that the reporting requirements of any and all agencies are met.

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