DPM 1082

U.S. DEPARTMENT OF LABOR
Occupational Safety and Health Administration

Form Approved
OMB No. 44-R1387

# MATERIAL SAFETY DATA SHEET

Required under USDL Safety and Health Regulations for Ship Repairing, Shipbuilding, and Shipbreaking (29 CFR 1915, 1916, 1917)

## SECTION I

| | |
|---|---|
| MANUFACTURER'S NAME: Metallizing Co. of America, Inc. | EMERGENCY TELEPHONE NO.: (217)728-7321 |
| ADDRESS (Number, Street, City, State, and ZIP Code): 321 S. Hamilton St., Sullivan, Illinois 61951 U.S.A. | |
| CHEMICAL NAME AND SYNONYMS: Zinc | TRADE NAME AND SYNONYMS: MOGUL Zinc |
| CHEMICAL FAMILY: Metal | FORMULA: Zn |

## SECTION II - HAZARDOUS INGREDIENTS

| PAINTS, PRESERVATIVES, & SOLVENTS | % | TLV (Units) | ALLOYS AND METALLIC COATINGS | % | TLV (Units) |
|---|---|---|---|---|---|
| PIGMENTS | | | BASE METAL | | |
| CATALYST | | | ALLOYS | | |
| VEHICLE | | | METALLIC COATINGS | | |
| SOLVENTS | | | FILLER METAL PLUS COATING OR CORE FLUX | | |
| ADDITIVES | | | OTHERS | | |
| OTHERS | | | | | |

| HAZARDOUS MIXTURES OF OTHER LIQUIDS, SOLIDS, OR GASES | % | TLV (Units) |
|---|---|---|
| | | |
| | | |
| | | |
| | | |

## SECTION III - PHYSICAL DATA

| | | | |
|---|---|---|---|
| BOILING POINT (°F.) | 1663 | SPECIFIC GRAVITY ($H_2O$=1) | 7.16 |
| VAPOR PRESSURE (mm Hg.) | | PERCENT, VOLATILE BY VOLUME (%) | 0 |
| VAPOR DENSITY (AIR=1) | | EVAPORATION RATE (_____=1) | |
| SOLUBILITY IN WATER | insoluble | | |

APPEARANCE AND ODOR: silver - metallic

## SECTION IV - FIRE AND EXPLOSION HAZARD DATA

| | | | |
|---|---|---|---|
| FLASH POINT (Method used): n/a | FLAMMABLE LIMITS | Lel | Uel |

EXTINGUISHING MEDIA: does not readily burn

SPECIAL FIRE FIGHTING PROCEDURES

use of water onto molten metal will cause violent splattering

UNUSUAL FIRE AND EXPLOSION HAZARDS



(Continued on reverse side)

## SECTION V - HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE
1mg/m$^3$ for zinc chloride fume, TWA - 5mg/m$^3$ for zinc oxide fume, TWA

EFFECTS OF OVEREXPOSURE
FEVER, MALAISE AND DEPRESSION, NAUSEA, DRYNESS OF THROAT, HEADACHE

EMERGENCY AND FIRST AID PROCEDURES

Remove from exposure

## SECTION VI - REACTIVITY DATA

| STABILITY | | | CONDITIONS TO AVOID |
|---|---|---|---|
| | UNSTABLE | | |
| | STABLE | X | |

INCOMPATABILITY *(Materials to avoid)*

HAZARDOUS DECOMPOSITION PRODUCTS

| HAZARDOUS POLYMERIZATION | | | CONDITIONS TO AVOID |
|---|---|---|---|
| | MAY OCCUR | | |
| | WILL NOT OCCUR | X | |

## SECTION VII - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

WASTE DISPOSAL METHOD

## SECTION VIII - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION *(Specify type)*
avoid prolonged exposure to dust or fumes

| VENTILATION | LOCAL EXHAUST | SPECIAL |
|---|---|---|
| | may be required | |
| | MECHANICAL *(General)* | OTHER |

| PROTECTIVE GLOVES | EYE PROTECTION |
|---|---|

OTHER PROTECTIVE EQUIPMENT

## SECTION IX - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

OTHER PRECAUTIONS



GPO 934-110

Form OSHA-20
Rev. May 72

BOE-C6-0203192