

ALZINOY

Date of Issue May 16, 2000

HMIS System	
Health	0
Flammability	0
Reactivity	0
Personal	
Protection Equip	Α

Identification

Chemical Name: Not Applicable
Material Name/Identifier: ALZINOY
Chemical Family: Metals
Trade Name and Synonyms: None

Chemical Formula: See Below (Ingredients)

Material Use: General Uses

Manufacturer

Purity Zinc Metals Phone: (905) 662-4802 288-310 Arvin Avenue Fax: (905) 664-3944

Stoney Creek, Ontario L8E 2M1

Purity Zinc Metals Phone: (931) 552-8080 498 International Boulevard Fax: (931) 552-5588

Clarksville, TN 37040

Ingredients of Material

HAZARDOUS APPROX. CONC- C.A.S.N.A. OR EXPOSURE LD[50] LC[50]

<u>INGREDIENTS</u> <u>ENTRATION %</u> <u>U.N. NUMBERS</u> <u>LIMITS</u> <u>SPECIFY SPECIES AND</u>

ROUTE

Zinc 87 - 89 7440-66-6 ACGIH TLV-TWA Not Available

5.0 mg/cu.m - 15.0 mg/cu.m.-

Aluminum 11 - 13 7429-90-5 15.0 mg/cu.m Not Available

Physical Data for Material

Physical State: [] Gas [] Liquid [X] Solid
Odour and Appearance: No Odour; Silver Grey Granules

Odour Threshold (p.p.m.): Not Applicable

Specific Gravity: 7.1

Taste: Metallic

Vapour Pressure (mm) (Air = 1): Not Appl

Vapour Pressure (mm) (Air = 1):

Vapour Density (Degree C):

Evaporation Rate (Degree C):

Boiling Point (Degree C):

Freezing Point:

Not Applicable

Not Applicable

907 degrees C

420 degrees C



ALZINOY

Date of Issue May 16, 2000

Solubility in Water:

Volatility:

PH 1% soln/water:

Water/Oil Dist. Coefficient:

Insoluble

Not Applicable

Not Applicable

Not Applicable

Soluble acids and alkaline bases.

Fire and Explosion Hazard of Material

If yes, under which conditions:

Flammability [] Yes [X] No Metal ingot is not flammable.

Means of Extinction: This product is NOT FLAMMABLE. Use fire fighting equipment

and procedures suitable to the immediate environment. Do not use water or foam. Use dry chemical, sand or special powder. Fire fighters should be equipped with NIOSH approved self-contained

breathing apparatus.

Special Procedures: Use caution when immersing solid zinc into a molten bath. Cold

ingots/Moisture/Condensation can cause molten metal to bubble,

splash or explode.

Zinc Oxide Fume

Flashpoint (Degree C) and Method:

Upper Explosion Limit (% by volume):

Not Applicable

Not Applicable

Not Applicable

Not Applicable

Not Applicable

TDG Flammability Classification:

Not Applicable

Explosion Data

Hazardous Combustion Products:

Sensitivity to Chemical Impact: Not Applicable
Rate of Burning: Not Applicable
Explosive Powder: Not Available

Reactivity Data

Chemical Stability: [X] Yes [] No

If no, under which conditions? Metal in ingot form is stable.

Incompatibility to other subatances: [X] Yes [] No

If so, which ones? Sulfur, Halogens and strong Oxidizing agents.

Reactivity and Under What Conditions: Contact with acids or alkaline hydroxides will generate hydrogen gas.

Accumulated hydrogen gas is flammable and explosive.

Hazardous Decomposition Products: Heating of this product may generate zinc oxide fumes generally over

900 degrees C.

Material Name/Identifier: ALZINOY



ALZINOY

Date of Issue May 16, 2000

Toxicological Properties of Product

Route of Entry: [X] Skin Contact [] Skin Absorption [X] Eye Contact

[X] Inhalation Acute [] Inhalation Chronic [X] Ingestion

Effects of Acute Exposure to Product: May irritate eyes or skin. When zinc fumes are inhaled they may

cause flu-like symptoms or fever, chills and nausea. Ingestion of fumes may cause fever, stomach cramps and diarrhea.

Effects of Chronic Exposure to Product: There are no known effects from chronic exposure to this product.

LD[50] of Product (Specify Species and

Route):

Not available.

Irritancy of Product: No reports found.

Exposure Limits of Product:

LC[50] of Product (Specify Species):

Not Available

None Reported

Synergistic:

None Reported

[] Carcinogenicity [] Reproductive Effects [] Teratogenicity [] Mutagenicity

Does not meet WHMIS Criteria for these effects.

Preventive Measures

Personal Protective Equipment: Respiratory and Eye Protection

Gloves (Specify): Heat Resistant

Respiratory (Specify): If dust/fume is generated use NIOSH/MSHA approved mask.

Eye (Specify): With molten metal use safety glasses and face shield.

Footwear (Specify): Safety boots.

Clothing (Specify): Suitable to protect from hot metal splash.

Other (Specify): None

Engineering Controls (e.g. ventilation,

enclosed process, specify):

Local ventilation when fume is generated.

Leak and Spill Procedure: Collect spilled material and return to process or supplier.

Waste Disposal: Consult local and provincial environmental authorities.

Handling Procedures and Equipment: Only dry metal ingot should be added to molten bath.

Storage Requirements: Keep in dry warm area indoors.

Special Shipping Information: Not Applicable



ALZINOY

Date of Issue May 16, 2000

First Aid Measures

Skin: Remove contaminated clothing. Wash affected areas with soap and

water.

Eye: Flush eyes with luke warm gently running water. If irritation

persists, consult physician.

Inhalation: If exposed to excessive fume, remove to fresh air; administer

oxygen if needed. Keep patient warm and seek medical assistance.

Ingestion: Generally not considered toxic if ingested however, consult physician

immediately.

General Advise: Practice good personal hygiene. Wash hands before eating or

smoking.

Other Regulatory Information and Pictograms

Other Regulations:

Canadian Environmental Protection Act (CEPA) - This product is on the Domestic Substance List (DSL) and is acceptable for use under the provisions of CEPA.

DOT - (Canada) - No pictograms required.

Preparation Date of MSDS

Additional Information/Comments: This Material Safety Data Sheet is offered solely for your information, consideration and investigation. Purity Zinc Metals provides no warranties either expressed or implied and assumes no responsibility for the accuracy or completeness of the data contained herein and expressly disclaims all liability for reliance thereon. The MSDS for this product is provided as a guide for safe handling and usage. Those using the product should read and understand this information herein and properly train those using this product.

Prepared by: Health & Safety Department

Phone #: (905) 662-4802 Date: May 16, 2000

Sources Used: CC INFO RTECS NFPA

NIOSH - National Institute of Occupational Safety and Health OSHA/NIOSH - Occupational Safety and Health Administration

TDG