



May be used to comply with
 OSHA's Hazard Communication Standard
 29 CFR1910.1200. Standard must be
 consulted for specific requirements.

SAFETY DATA SHEET

Effective Date: 05/19/15

Revision Date: 0/0/0

Revision Number: 00

Section 1 - Company Identification and Chemical Product

Manufacturer's Information: NET Global	
Emergency Telephone No:	(313) 366-4444 Ext 22
389 West Elm Street	<i>NOTE: The company provides many types of alloys (i.e. SHG Anodes, Bar Anodes, Zamak #2,#3,#5,#7,#8,#12, & #27, Zn B which will contain all, just some, or none of the elements listed be Certificate of Analysis with delivered loads for specific elements</i>
Pembroke, MA	
Chemical Product:	Q2359 Zinc Alloy
Chemical Family:	Zinc

Section 2 - Composition Information/Exposure Limits

NOTE: Variations in Zinc production account for a wide percentage range of the elements listed below.

Component	Symbol	CAS#	OSHA PEL	TLV	Percent R
Aluminum	Al	7429-90-5	15MG/M3	10MG/M3	0 - 2
Cadmium	Cd	7440-43-9	.05MG/M3	.1MG/M3	0 - .0
Copper	Cu	7440-50-8	.01MG/M3	.2MG/M3	0 - 1
Iron	Fe	7439-89-6	10MG/M3	5MG/M3	0 -.2
Lead	Pb	7439-92-1	.05MG/M3	.15MG/M3	0 - .0
Magnesium	Mg	7439-95-4	15MG/M3	10MG/M3	0 - 1
Nickel	Ni	7440-02-0	1MG/M3	1MG/M3	0 - .
Silicon	Si	7440-21-3	10MG/M3	10MG/M3	0 - 1
Tin	Sn	7440-31-5	2MG/M3	2MG/M3	0 - .0
Zinc	Zn	7440-66-6	5MG/M3	10MG/M3	Rema

Section 3 - Hazards Identification

Classification of the substance or mixture:

Classification according to Regulation EC No. 1272/2008

Not classified as dangerous according to the criteria of Regulation (EC) No. 1272/2008

Classification according to Directive 67/548/EEC-1999/45/EC

Not classified as dangerous according to the criteria of directive(s) 67/548/EEC and/or 1999/45/EC

Label elements:

Labeling according to Regulation EC No. 1272/2008 (CLP)

Not classified as dangerous according to the criteria of Regulation (EC) No. 1272/2008

OTHER HAZARDS:

CLP:

Substance does not meet the screening criteria for persistency nor bioaccumulation so it neither PBT nor vPvB.

The melting down of moist metal leads to explosion risk.

Heated product causes burns.

Caution! This substance is subject to exposure limits.

Highly toxic to fishes.

Highly toxic to aquatic plants.

Toxic to bacteria.

Mixtures:

Not applicable.

Section 4 - First Aid Measures

Description of First Aid Measures:

After inhalation:

After inhalation of fume: Remove the victim into fresh air. Respiratory problems: consult a doctor/medical service.

Section 4 - First Aid Measures (continued)

After skin contact:

In case of burns: Wash immediately with lots of water (15 minutes)/shower. Remove clothing while washing. Do not tear product from skin. Do not remove clothing if it sticks to the skin. Cover wounds with sterile bandage. Consult a doctor. If burned surface > 10%: take victim to hospital.

After eye contact:

After contact with fume: Rinse immediately with plenty of water for 15 minutes. Take victim to an ophthalmologist.

After ingestion:

Not applicable.

Most important symptoms and effects, both acute and delayed:

Acute Symptoms

After inhalation:

AFTER INHALATION OF DUST:

Irritation of the nasal mucous membranes. Dry/sore throat. Coughing.

AFTER INHALATION OF FUME:

Feeling of weakness. Metal fume fever. Vomiting. Nausea.

After skin contact:

IF MELTING: Burns

After eye contact:

IF MELTING: Burns

After ingestion:

No data available.

Delayed Symptoms

No data available

Indication of any immediate medical attention and special treatment needed:

Not applicable.

Section 5 - Fire Fighting Measures

Extinguishing media:

Suitable extinguishing media:

Adapt extinguishing media to the environment.

Unsuitable extinguishing media:

Water (if molten).

Special hazards arising from the substance or mixture:

On burning formation of metallic fumes (zinc oxide).

In molten state: violent to explosive reaction with water (moisture).

Advice for firefighters:

Instructions:

Dilute toxic gases with water spray. In case of metal bath fire: add metal blocks. When cooling/extinguishing: no substance.

Special protective equipment for fire-fighters:

Gloves, Protective clothing, Heat/fire exposure: compressed air/oxygen apparatus.

Section 6 - Accidental Release Measures

Personal precautions, protective equipment and emergency procedures:

Protective equipment for emergency responders:

Gloves, Protective Clothing, and Self-Contained Breathing Equipment.

Environmental precautions:

No data available.

Methods and material for containment and clean-up:

If melted: allow liquid to solidify before taking it up. Pick-up the material. Wash clothing and equipment after handling.

Section 7 - Handling and Storage

NOTE: The information in this section is a general description. If applicable and available, exposure scenarios are attached in an use the relevant exposure scenarios that correspond to your identified use.

Precautions for safe handling:

Avoid raising dust. Keep away from naked flames/heat. Observe strict hygiene. On (re)melting down: dry and preheat before use. Add only dry material to the metal bath.

Conditions for safe storage, including any incompatibilities:

Safe storage requirements:

Meet legal requirements. Store in a dry area. Keep at temperature above the dew point. Temperature above dew point.

Keep away from:

(Strong) acids.

Suitable packaging material:

No Data Available.

Non suitable packaging material:

No Data Available

Section 8 - Exposure Control/Personal Protection

Respiratory Protection (Specify Type):

Use OSHA approved respirator in the presence of Zinc Oxide fumes.

Ventilation Recommended	Local Exhaust Only if TLV's or PEL's are exceeded	Special N/A
	Mechanical (General) N/A	Other N/A

Protective Gloves:

When cooled, Zinc has sharp edges and protective gloves should be worn. Will also prevent burns if metal is hot, use as needed.

Eye Protection:

Safety glasses should be used at all times. When in areas where splashing may occur, face shields should be used also.

Other Protective Clothing and/or Equipment:

When handling molten Zinc, fire retardant clothing, face shields, hard hats, gloves and spats are recommended.

Section 9 - Physical & Chemical Properties

Physical Form:	Solid	Specific Gravity:	Range 5.0 - 6.7
Boiling Point:	Approx. 1665°F	Density:	N/A
Melting Point:	Approx. 728°F	Water Solubility:	None
Vapor Pressure (mm Hg.):	N/A	pH:	N/A
Vapor Density (AIR=1):	N/A	Color:	Silver to Bluish Silver
Evaporation Rate:	N/A	Odor:	No Odor

Physical hazards:

No physical hazard class.

Other information:

No data available.

Section 10 - Stability & Reactivity

Reactivity:

Not Applicable.

Chemical stability:

Stable under normal conditions.

Possibility of hazardous reactions:

In molten state: violent to explosive reaction with water (moisture). Oxidizes slowly in moist air.

Conditions to avoid:

Avoid raising dust. Keep away from naked flames/heat.

Incompatible materials:

(Strong) acids.

Section 10 - Stability & Reactivity (continued)

Hazardous decomposition products:

reacts with (some) acids: release of highly flammable gases/vapors (hydrogen). On burning formation of metallic fumes (zinc)

Section 11 - Toxicological Information

Effects of acute exposure:

None reported.

Effects of chronic exposure:

None reported.

Irritancy of product:

None reported.

Skin Sensitization:

None reported.

Carcinogenicity-IARC:

None reported.

Reproductive toxicity:

None reported.

Embrototoxicity:

None reported.

Name of synergistic products/effects:

None reported.

Respiratory sensitization:

None reported.

Carcinogenicity - ACGIH:

None reported.

Teratogenicity:

None reported.

Mutagenicity:

None reported.

Section 12 - Ecological Information

General Product Information:

No data available for this product(s). Product(s) is not expected to present an environmental hazard to aquatic and terrest fauna.

Aquatic toxicity:

None reported.

Section 13 - Disposal Considerations

The information in this section is a general description. Always use the relevant exposure scenarios that correspond to your iden

Waste treatment methods:

Material, dross, and baghouse dust sold as product, no waste streams.

Disposal methods:

No disposal required, all is product for sale.

Packaging/Container

No Data Available

Section 14 - Transportation information

Not currently regulated.

Section 15 - Regulatory information

OSHA/IOSHA

U.S. Federal Regulations (OSHA)/Indiana State Regulations (IOSHA): This product meets the c hazardous substance as defined in the Hazard Communication Standard (29 CFR 1910.1200)

EPA/IDEM

U.S. Federal Regulations (E.P.A.)/Indiana Department of Environmental Management (IDEM):

S.A.R.A. Title III Section 311/312 Categorization (40 CFR 370): This product does NOT contain a subject to the reporting requirements of this standard.

S.A.R.A. Title III Section 313 (40 CFR 372): This product does NOT contain any chemical subject to requirements of this standard.

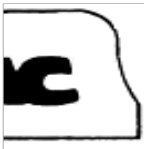
302 (EHS) TPQ (40 CFR 355): Not applicable.

TSCA

TSCA CAS Number: Not applicable.

Section 16 - Other information

The information in this SDS was obtained from sources which we believe are reliable. Metropolitan Alloys Corp the information contained herein in good faith but makes no representation as to its comprehensiveness or accuracy. This document is intended only as a guide to the appropriate precautionary handling of the material by a proper person(s) using this (these) product(s). Individuals receiving the information must exercise their independent judgment in determining its appropriateness for a particular purpose. METROPOLITAN ALLOYS CORP. MAKES NO REPRESENTATIONS OR WARRANTIES, EITHER EXPRESSED OR IMPLIED, INCLUDING WITHIN ANY LIMITATION ANY WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR OTHERWISE WITH RESPECT TO THE INFORMATION SET FORTH HEREIN OR THE PRODUCT TO WHICH THE INFORMATION REFERS. ACCORDINGLY, METROPOLITAN ALLOYS WILL NOT BE RESPONSIBLE FOR DAMAGES RESULTING FROM USE OF OR RELIANCE UPON THIS INFORMATION.



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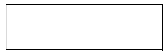
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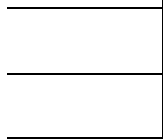
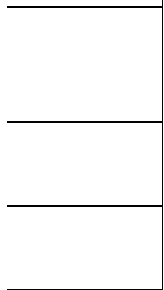
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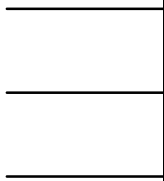
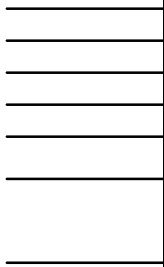


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