

MATERIAL SAFETY DATA SHEET

Zinc Metal

SECTION 1 . Product and Company Identification

Product Name and Synonym: Zinc Metal
Product Code: Z3391
Material Uses:
Manufacturer: Science Stuff
1104 Newport Ave
Austin, TX 78753
(512) 837-6020
Entry Date : 7/2/2013
Print Date: 7/2/2013
24 Hour Emergency Assistance : Chemtrec 800-424-9300
Canutec 613-996-6666

Health:	1
Flammability:	1
Reactivity:	1
Hazard Rating: Least Slight Moderate High Extreme 0 1 2 3 4 NA=Not Applicable NE=Not Established	

SECTION 2 HAZARD IDENTIFICATION

Generally not hazardous in normal handling, however good laboratory practices should always be used. Avoid long term exposure to skin or by inhalation.

SECTION 3 MIXTURE COMPONENTS

SARA 313	Component	CAS Number	Percent Comp.	Dimension	Exposure Limits
<input checked="" type="checkbox"/>	Zinc Metal	CAS# 7440-66-6	100	W/W	OSHA TWA 5 mg/mf

SECTION 4 FIRST AID MEASURES

Generally not hazardous in normal handling, however good laboratory practices should always be used. Avoid long term exposure to skin or by inhalation.

FIRST AID: SKIN: Wash exposed area with soap and water. If irritation persists, seek medical attention.

EYES: Wash eyes with plenty of water for at least 15 minutes, lifting lids occasionally. Seek Medical Aid. INHALATION: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen

INGESTION: Give several glasses of milk or water. Vomiting may occur spontaneously, but it is not necessary to induce. Never give anything by mouth to an unconscious person.

SECTION 5 FIRE FIGHTING MEASURES

Fire Extinguisher Type: Smother with dry powder
Fire / Explosion Hazards: Dust at sufficient concentrations can form explosive mixtures with air.
Fire Fighting Procedure: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and clothing.

SECTION 6 ACCIDENTAL RELEASE MEASURES

Sweep up and place in suitable (fiberboard) containers for

Zinc Metal

reclamation or later disposal.

SECTION 7 HANDLING AND STORAGE

Store in a cool, dry, well-ventilated place away from incompatible materials, heat and moisture. Wash thoroughly after handling.

SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Respiratory Protection: NIOSH approved dust mask
Ventilation
Local Exhaust
Mechanical
Protective Gloves: Wear appropriate gloves to prevent skin exposure
Eye Protection: Splash Goggles
Other Protective Equipment: Wear appropriate clothing to prevent skin exposure

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Melting Point:	419° C	Percent Volatile by Volume:	0
Boiling Point:	907° C	Evaporation Rate	N/A
Vapor Pressure:	1 @ 909° C	Evaporation Standard	
Vapor Density:	Information not available	Auto Ignition Temp	Not applicable
Solubility in Water:	Insoluble	Lower Flamm. Limit in Air	Not applicable
Appearance /Odors:	odorless, grey-blue granules	Upper Flamm. Limit in Air	Not applicable
Flash Point:	N/A		
Specific Gravity:	7.14		

SECTION 10 STABILITY AND REACTIVITY INFORMATION

Stability: Stable
Conditions to Avoid: None known
Materials to Avoid: Acids, alkalies, oxidizers, halogens, chlorine.
Hazardous Decomposition Products: Oxides of zinc.
Hazardous polymerization: Will Not Occur
Conditions to Avoid: None known

SECTION 11 Toxicological Information

SECTION 12 Ecological Information

SECTION 13 Disposal Considerations

SECTION 14 Transport Information

DOT Classification: Not Regulated

Zinc Metal

DOT Regulations may change from time to time. Please consult the most recent D.O.T. regulations.

SECTION 15 Regulatory Information

SECTION 16 Additional Information

Effects of overexposure, Acute and Chronic: If fumes are inhaled, may cause fume fever. Ingestion may cause GI disturbances. Contact with skin may cause irritation. Contact with eyes may cause mechanical abrasion or injury to the surface of the eye, noticeable discomfort, redness and tearing. Conditions aggravated/target organs: Persons with pre-existing eye, skin or respiratory conditions may be more susceptible.

Flammability

Health

Reactivity

Revisions

NFPA

0.1

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