# MetalPowdersUSA.com

### SAFETY DATA SHEET

#### SECTION 1. Identification of the Substance and Manufacturer

Product:

Zinc

Supplier:

MetalPowdersUSA, INC. 13415 55th AVE NW Gig Harbor, WA 98332 USA

#### SECTION 2. Hazard Identification

#### **GHS Classification**

Classification according to Regulation (EC) No 1272/2008[CLP] Aquatic Acute 1, H400 Aquatic Chronic 1, H410

Classification according to Directive 67/548/EEC Dangerous for the environment; N; R50-53

#### Hazardous Statement:

H410 - Very toxic to aquatic life with long lasting effects

#### GHS Label Elements - Hazard Pictograms (GHS-US)



Signal Word: Warning

#### **GHS Precautionary Statements:**

P273: Avoid release to the environment.

P391: Collect spillage.

P501: Dispose of contents/container as hazardous or special waste in accordance with applicable law

## SECTION 3. Composition/Information of Ingredients

Ingredient	%	EC Number	CAS No.	
Zinc	99.0	231-175-3	7440-66-6	

#### SECTION 4. First Aid Measures Description of first aid measures

Skin Contact:Immediately wash with soap and water.Seek medical attention if irritation occursEye Contact:Immediately flush eyes with plenty of water.Seek medical attention if irritation occursIngestion:Drink plenty of water.Do not induce vomiting.Inhalation:Move victim to fresh air, seek medical attention if feeling unwell or experiencing respiratory distress

#### Most Important symptoms and effects, both acute and delayed

Acute: May cause respiratory tract irritation

Delayed: No delayed symptoms or effects expected

Indication of any immediate medical attention and special treatment needed:

None expected

SECTION 5. FILE-FIGHTING MEasure	S		
Extinguishing Media: Unsuitable Extinguishing Media:	CO <sub>2</sub> , or smoother with sand Do not use water to extinguish		
Hazards from Substance: Do not Hazardous thermal decomposition Special Fire Fighting Procedures:	inhale combustion gases. Burning produces heavy smoke products: Combustion products include zinc oxide Material is non-flammable. Use firefighting measures appropriate to surrounding		
Additional Information:	aterials. Collect contaminated fire fighting water separately.		
Personal Protective Equipment:	It must not enter the sewer system. Wear self-contained breathing apparatus.		
SECTION 6. Accidental Release Me	easures		
Personal Precautions:	pilled material may produce dust hazard if not handled correctly. Wear ppropriate personal protective equipment: coveralls, gloves & eye protection.		
Environmental Precautions:	Do not allow to enter drains or watercourses. If the product enters drains or sewers, immediately inform the local water company. Where there is contamination of streams, rivers or lakes, contact local agency with responsibility for the environment		
Methods for Clean Up:	Avoid dry seeping or other methods which raise dust. Vacuum or wet-sweep and place in a suitable container for recycling or disposal in accordance with local and national waste regulations.		
SECTION 7. Handling and Storage			
Handling: This product sh hygiene standar eyes or skin. O concentrations	ould be used in accordance with good industrial safety practices and industrial rds and all local, state, federal and intternaional regulations. Avoid contact with only use in a well-ventilated area and prevent the creation of dusts. If exceed the occupational exposure limits, use suitable respiratory protection.		
Storage: Store in a cool, Keep lids of co	dry, well-ventilated place. Keep away from food, drink and animal feeding stuffs. ntainer tightly sealed.		
SECTION 8. Exposure Controls/Pe	rsonal Protection		
Occupational Exposure Standar	ds: Zinc as Fumes and Dust:		
	OSHA PEL		
Occupational Exposure Controls	<ul> <li>5 mg/m<sup>3</sup> 8-hour TWA (fumes) 10 mg/m<sup>3</sup> 8-hour TWA (Dust)</li> <li>All personal protective equipment, including respiratory equipment, used to control exposure to hazardous substances must be selected to meet the requirements of national personal protective equipment regulations.</li> </ul>		
Ventilation:	To keep below the U.S.A. OSHA and EU exposure limits, use general dilution type ventilation.		
Personal Protection			
Respiratory Protection:	Cartridge type particulate filter respirator or dust-mask conforming to U.S.A. NIOSH. Refer to Respiratory Protective Devices approved by NIOSH under 42 CFR 84 and the appropriate European standard.		
Hand Protection:	Wear if skin contact is probable and skin is sensitive.		
Eye Protection: Skin Protection: Environmental Protection:	Always wear approved protective eyewear if there is a potential for dusts. Long sleeve shirt(s) if contact is probable and skin is sensitive. Do not allow to enter drains or watercourses.		
SECTION 9. Physical and Chemica	I Properties		
Appearance: Silver G	rey Odor: None		
Boiling Point:	907°C		
Melting Point:	420°C		
Specific Gravity,H <sub>2</sub> O = 1:	Varies		
vapor Pressure: @950 (			
Vapor Density. Evanoration Rate:			
Solubility in water 0	1% mg/l		
Explosive Qualities, %: Not	cexplosive		
Molecular Weight:	65.409		
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SECTION 10. Stability and	Reactivity					
Stable X	Unstable					
Conditions & Materials	Conditions & Materials to Avoid: Water flames and other possible sources of ignition					
Hazardous Decomposi	Hazardous Decomposition Products: Potential for ZnO fumes at elevated temperatures					
SECTION 11 Toxicological	SECTION 11. Toxicological Information					
Signs symptoms and	offect of over exposure:					
Signs, symptoms, and	<u>ellect of over exposure</u> .					
Eyes. Expo	irritation of the avec					
Cause	Initiation of the eyes					
Ingestion. NOK	nown significant effects of childer nazards					
	ion of the mucous membranes, cougning, wheezing, shortness of breath.					
SECTION 12. Ecological In	ormation					
Toxic to fish and other aquatic organisms.						
Prevent from entering	arains, sewers, and surface water.					
SECTION 13. Disposal Con	siderations					
PACKAGING: Dispos	PACKAGING: Dispose of in accordance with procedures applying to the disposal of the product.					
PRODUCT: Dispos	se of surplus and contaminated materials (including sawdust) at an approved landfill or in					
accord	lance with other national or regional provisions.					
SECTION 14. Transportatio	n Information					
U.S.A. DOT:	Not Regulated. Class 9 materials do not require placarding for U.S.A. ground transport (49 CFR					
	172.504(f)(9)). Exceptions, except when all or part of the transportation is by vessel, the					
	requirements specific to marine pollutants do not apply to non-bulk packaging transported by					
	motor vehicle, rail car, or aircraft (49 CFR 1/1.4(c)). Permissive labelling is allowed by U.S.A.					
	DOT (49 CFR 172.401(C)).					
Proper Shipping Name						
r toper Shipping Name.	(Zinc) Class 9 PG III MARINE POLITITANT					
Land transport ADR	//RID (cross-border) Excluding U.S.A. Ground Transport					
• ADR/RID class:	9 (M7) Miscellaneous dangerous substances and arti <b>cles</b>					
· Danger code (Kemle	er): 90					
• UN Number:	3077					
<ul> <li>Packaging group:</li> </ul>	///					
<ul> <li>Hazard label:</li> </ul>	9					
<ul> <li>Proper shipping nar</li> </ul>	ne: 3077 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (zinc)					
• Maritime transport	IMDG:					
	0					
	9 2077					
· UN NUMBER:	3077					
• Hazard Label:	9					
Packaging group:	111					
Marine pollutant:	yes					
<ul> <li>Proper shipping nai</li> </ul>	ne: 3077 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (zinc)					
Air transport ICAO-T	Air transport ICAO-TI and IATA-DGR:					
· ICAO/IATA Class:	9					
· UN/ID Number:	3077					
• Hazard Label:	9					
· Packaging group:						
· Proper shipping na	me: 3077 ENVIRONMENTALLY HAZARDOUS SUBSTANCE SOLID N.O.S. (zinc)					
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#### SECTION 15. Regulatory Information

U.S. EPA EPCRA Section 313 Reportable Product – (Zinc)

All chemical constituents of these products are listed on the TSCA inventory of chemical substances maintained by the U.S. Environmental Protection Agency (EPA).

## SECTION 16. Other Information

Keep out of reach of children. Read and follow all label instructions. This information is based on our present knowledge. However, this is not a guarantee of specific product features. It is the user's responsibility to satisfy themselves as to the suitability and completeness of this information for their own particular use.