



O.W. HUBBELL AND SONS, INC.
P.O. BOX 408
NEW HARTFORD, N.Y 13413

< < < MATERIAL SAFETY DATA SHEET > > >

===== GENERAL INFORMATION =====

Galvanizer: O.W. HUBBELL AND SONS, INC.
NEW HARTFORD, N.Y. 13413
Creation Date: 9/88
Revision Date: NA

For Additional Information, contact:
O.W. HUBBELL AND SONS, INC.
315/736-8311
Local Poison Center
See Your Emergency Plan

===== PRODUCT IDENTIFICATION =====

Product Name: Hot Dip Galvanized Products,
Dipped After Fabrication
Formula: Zn

Synonym(s): Zinc Coating
Chemical Family: Elemental Zinc

===== TYPICAL CHEMICAL COMPOSITION =====

Ingredient	CAS No.	Wt. %	Permissible Airborne Conc.	
			OSHA PEL	ACGIH TLV
Metallic Coating:			ppm	ppm
Zinc	7440-66-6	99.0(Min)	5.0	5.0
Trace Elements	N.A.	Less than 1.0	N.A.	N.A.

===== PHYSICAL DATA =====

Physical State : Solid
Appearance : Shiny Metal
Odor : Odorless
Boiling Point : 907 C
Melting Point : 419 C
Solubility in Water: N.A.
pH : N.A.

Specific Gravity: 7.13 @ 25 C
Vapor Pressure : N.A.
Vapor Density : N.A.
Evaporation Rate : N.A.
% Volatile by Volume : N.A.

===== FIRE AND EXPLOSION HAZARD DATA =====

Do Not Use Water On Molten Zinc

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===== REACTIVITY DATA =====

Stability: Stable under conditions of normal use.

Incompatibilities: Acids and alkalis - - - - - contact may result in the evolution of hydrogen gas.

Hazardous Decomposition Products: Welding and burning on this product may cause the generation of a variety of noxious fumes and gasses (e.g. carbon monoxide, zinc oxide fume, etc.)

Polymerization: Will not occur

===== HEALTH HAZARD DATA =====

Health Effects/Signs and symptoms:

Excessive exposure to zinc oxide fume may result in "metal fume fever" with symptoms similar to common flu, e.g. chills, fever, dry throat, cough, diarrhea, vomiting and headache. Anyone exposed to zinc oxide fume and exhibiting these symptoms should be removed from exposure and referred to medical attention. Good personal hygiene is advised to avoid ingestion or inhalation through contaminated food or smoking.

Usual Routes of Entry: Inhalation

Carcinogen: Not considered a carcinogen.

===== FIRST AID AND MEDICAL EMERGENCY PROCEDURES =====

- Eye Contact : Not anticipated to pose a significant eye hazard.
- Skin Contact: Not anticipated to pose a significant skin hazard.
- Inhalation : Remove from excessive exposure levels unless proper respiratory protection is worn.
- Ingestion : Not considered an ingestion hazard.

===== SPILL, LEAK, AND DISPOSAL INFORMATION =====

Federal, State or Provincial regulations may limit the level of zinc contamination of effluent streams. Spilled metallic zinc can usually be returned to the process. Disposal of solid wastes may be subject to local regulation.

===== SPECIAL PROTECTION INFORMATION =====

Sufficient ventilation should be provided to ensure the regulatory limits for zinc compounds are not exceeded in the work environment. Abatement equipment should be adequate for compliance with Federal, State or Provincial emission standards. NIOSH approved fume respirator should be used where permissible concentrations are exceeded.

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