

Hot Dipped Galvanized Sheet

Section I

Wheeling-Nisshin, Incorporated	Emergency Telephone Number - (304) 527-4800
P.O. Box 635	Information Number - (304) 527-4833
Penn & Main Street	Date Prepared - 01/04/11
Follansbee, WV 26037	Prepared by: T. Lollini

Section II - Hazardous Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity: Common Name(s))	C.A.S. Number:	OSHA PEL	ACGIH TLV	Other Limits Recommended	%
Chemical Components:	C.A.S. Number:				
Iron	7439-89-6	10mg/m ³ (as Fe ₂ O ₃ fume)	5mg/m ³ (as Fe ₂ O ₃ fume)	N/A	N/A
Zinc	7440-66-6	5mg/m ³ (as ZnO fume)	5mg/m ³ (as ZnO fume)	N/A	N/A

Additional Coatings: See separate MSDS for additional coatings as ordered

Section III - Physical/Chemical Characteristics

Boiling Point	N/A	Specific Gravity (H ₂ O = 1)	Approx. 8
Vapor Pressure (mm Hg)	N/A	Melting Point Zn Coating Base Metal	850° F 2750° F
Vapor Density (AIR = 1)	N/A	Evaporation Rate (Butyl Acetate = 1)	N/A
Solubility in Water	N/A		
Appearance and Odor	Odorless solid with metallic lustre		

Section IV - Fire and Explosion Hazard Data

Flash Point (Method Used):	N/A	Flammable Limits:	N/A	LEL	N/A	UEL	N/A
Extinguishing Media:	No fire or explosion hazard						
Special Fire Fighting Procedures:	N/A						
Unusual Fire and Explosion Hazards:	None						

Section V - Reactivity Data

Stability	Unstable	No	Conditions to Avoid:	N/A
	Stable	Yes	Temperatures above melting point of coating may liberate zinc fumes	
Incompatibility (<i>Materials to Avoid</i>):	Contact with strong acids and alkalis may produce hydrogen gas			
Hazardous Decomposition or Byproducts:	Metal fumes and certain noxious gases, such as CO, may be produced during welding or burning			
Hazardous Polymerization	May Occur	No	Conditions to Avoid	N/A
	Will Not Occur	Yes		



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Section VI - Health Hazard Data

Route(s) of Entry:	Inhalation?	Yes	Skin?	Yes	Ingestion?	Yes
Health Hazards (<i>Acute and Chronic</i>):	Exposure to high concentrations of fumes of zinc may create flu-like illness termed Metal Fume Fever. Symptoms can last 12 to 48 hours and may include metallic taste, dryness in the mouth, dizziness, weakness, muscle pain and fever.					
Carcinogenicity:	NTP?	No	IARC Monographs?	No	OSHA Regulated?	No
Signs and Symptoms of Exposure:	Irritation to the nose, eyes and skin. Nausea, coughing and wheezing upon prolonged exposure at excessive levels during welding or burning.					
Medical Conditions Generally Aggravated by Exposure:	N/A					
Emergency and First Aid Procedures:	For overexposure to airborne fumes and particulates, remove exposed person to fresh air. Administer oxygen and artificial respiration if needed. Seek medical attention.					

Section VII - Precautions for Safe Handling and Use

Steps to Be Taken in Case Material is Released or Spilled:	N/A
Waste Disposal Method:	N/A
Precautions to Be Taken in Handling and Storing:	N/A
Other Precautions:	N/A

Section VIII - Control Measures

Respiratory Protection (*Specify Type*)
A NIOSH - Approved, dust/fume respirator should be worn during welding or burning *

Ventilation	Local Exhaust	N/A	Special	N/A
	Mechanical (<i>General</i>)	Point Exhaust System	Other	N/A
Protective Gloves:	Yes	Eye Protection:	Yes	
Other Protective Clothing or Equipment:	Use appropriate protective clothing when welding or burning.			
Work/Hygienic Practices:	General cleanup practices (e.g. showering, hand washing)			

***In accordance with OSHA Respiratory Protection Standard (29 CFR 1910.134) While information and recommendations set forth on this data sheet are believed to be accurate, Wheeling-Nisshin makes no warranty and disclaims all liability from reliance thereon.**