



NFPA 	HCS Risk Phrases HCS CLASS: R20 Harmful by inhalation R36 Irritating to eyes	Protective Clothing 
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Section I. Chemical Product and Company Identification

Common Name/ Trade Name	ZINC OXIDE	Revision Date: 6/11/07
Supplier	FRITZ INDUSTRIES, INC. 500 SAM HOUSTON ROAD MESQUITE, TX 75149 (972) 285-5471 (800) 955-1323	In Case of Emergency. (800) 424-9300 Week Days: (972) 285-5471 (800) 955-1323

Chemical Family Nonferrous Metal Oxide

Section II. Composition and Information on Ingredients

Name	CAS #	% by Weight	TLV/PEL	LC ₅₀ /LD ₅₀
Zinc Oxide	1314-13-2	100%	5 mg/m ³	N/A

Section III. Hazards Identification

Eye contact	Not expected to be a health hazard.
Skin	Not expected to be a health hazard from skin exposure
Inhalation	May cause irritation to the respiratory tract. Symptoms may include coughing and shortness of breath. Inhalation can cause a flu-like illness (metal fume fever). This 24-48 hour illness is characterized by chills, fever, aching muscles, dryness in the mouth and throat, and headache.
Ingestion	Large oral doses may cause irritation to the gastrointestinal tract.
Chronic exposure	None known.
Aggravation of Pre-Existing Conditions	Persons with a pre-existing heart condition or impaired respiratory function may be more susceptible to the effects of this substance.

Section IV. First Aid Measures

Eye Contact	Not expected to require first aid measures. Wash thoroughly with running water. Get medical advice if irritation develops.
Skin Contact	Not expected to require first aid measures. Wash exposed area with soap and water. Get medical advice if irritation develops.
Inhalation	Remove to fresh air. Get medical attention for any breathing difficulty.
Ingestion	Not expected to require first aid measures. If large amounts were swallowed, give water to drink and get medical advice.

Section V. Fire and Explosion Data

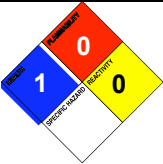
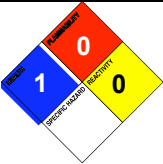
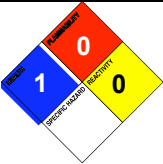
Fire	Not considered to be a fire hazard.
Explosion	Finely divided powder presents an explosion hazard
Fire Fighting Media and Instructions	Use any means suitable for extinguishing surrounding fire.

Section VI. Accidental Release Measures

Leak/Spill	Ventilate area of leak or spill. Sweep up and containerize for reclamation or disposal. Vacuuming or wet sweeping may be used to avoid dust dispersal.
General Information	Use proper personal protective equipment as indicated in Section 8.

Section VII. Handling and Storage

Handling and Storage	Keep in a tightly closed container, stored in a cool, dry, ventilated area. Protect against physical damage. Isolate from incompatible substances. Containers of this material may be hazardous when empty since they retain product residues (dust, solids); observe all warnings and precautions listed for the product.
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Section VIII. Exposure Controls/Personal Protection															
Ventilation	Use in a well-ventilated area.														
Personal Protection	Wear safety glasses to prevent eye contact. Wear an approved respirator Wear protective clothing and gloves to prevent skin contact.														
Section IX. Physical and Chemical Properties															
Physical state and Appearance	Amorphous powder Odor Odorless Color White to yellowish-white														
Specific Gravity	5.67 Boiling Point Sublimes														
pH	N/A Melting Point 1975°C (3587°F)														
Solubility in Water	Insoluble in water, alcohol; soluble in dilute acids														
Section X. Stability and Reactivity Data															
Chemical Stability	Stable under ordinary conditions of use and storage. Absorbs carbon dioxide from air.														
Incompatible Materials	Has exploded when mixed with chlorinated rubber. Reacts violently with magnesium and linseed oil. Zinc oxide and magnesium can react explosively when heated.														
Hazardous Decomposition Products	When heated to very high temperatures, zinc oxide sublimes to produce toxic fumes.														
Hazardous Polymerization	Will not occur.														
Section XI. Toxicological Information															
Primary Routes of Exposure	Eye or skin contact, inhalation														
Toxic Effects on Humans	Investigated as a mutagen, reproductive effector.														
Section XIII. Disposal Considerations															
Waste Disposal	Whatever cannot be saved for recovery or recycling should be managed in an appropriate and approved waste disposal facility. Processing, use or contamination of this product may change the waste management options. State and local disposal regulations may differ from federal disposal regulations. Dispose of container and unused contents in accordance with federal, state, and local requirements.														
Section XIV. Transport Information															
DOT Classification	Not regulated.														
Section XV. Other Regulatory Information and Pictograms															
Other Classifications	WHMIS (Canada) Classification: D-2 Canadian DSL Inventory Status All components listed on inventory.														
HMIS (U.S.A.)	<table border="1"> <tr> <td>1 HEALTH</td> <td rowspan="3">National Fire Protection Association (U.S.A.)</td> <td rowspan="3">Health</td> <td rowspan="3">  </td> <td>Fire Hazard</td> </tr> <tr> <td>0 FLAMMABILITY</td> <td>Reactivity</td> </tr> <tr> <td>0 REACTIVITY</td> <td>Specific Hazard</td> </tr> <tr> <td>e PROTECTIVE EQUIPMENT</td> <td></td> <td></td> <td></td> <td></td> </tr> </table>	1 HEALTH	National Fire Protection Association (U.S.A.)	Health		Fire Hazard	0 FLAMMABILITY	Reactivity	0 REACTIVITY	Specific Hazard	e PROTECTIVE EQUIPMENT				
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