



MATERIAL SAFETY DATA SHEET

1533 W. Henrietta Rd.
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MSDS No. ZZ 50
Effective Date November 20, 1998

SECTION V HEALTH HAZARD DATA

ZZ 50

Threshold Limited Value None established for this material. (ACGIH 1992-93).
Toxicity oral-mouse TDLO 2,800 mg/kg.

Effects of Overexposure **INGESTION:** Causes nausea and vomiting when ingested, with larger doses being self-purging. **INHALATION:** No specific hazard known. May produce irritation and coughing. **EYES:** No specific hazard is known. However, any material that contacts the eye may be irritating, with redness, pain, and blurred vision. **SKIN:** Low hazard. May cause irritation. Exercise appropriate procedures to minimize potential hazards.

Emergency and First Aid Procedures **INHALATION:** Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention. **EYES:** Flush thoroughly with water for at least 15 minutes, lifting upper and lower eyelids occasionally. Get medical attention. **SKIN:** Flush thoroughly with water, then wash with mild soap and water. **INGESTION:** If swallowed, if conscious, give milk or water to drink, induce vomiting and call physician. Never give anything by mouth to an unconscious person.

SECTION VI REACTIVITY DATA

Stability	Unstable		Conditions to Avoid	Excessive temperature and heat.
	Stable	X		

Incompatibility (Materials to Avoid) Acids react with the formation of a great deal of heat and carbon dioxide.

Hazardous Decomposition Products Oxides of Zinc and Carbon.

Hazardous Polymerization	Conditions to Avoid		Not applicable.
	May Occur	Will Not Occur	
		X	

SECTION VII SPILL OR LEAK PROCEDURES

Steps to be taken in case material is released or spilled Recover for use if not contaminated. Wear protective safety equipment and use adequate ventilation. Avoid making dust. Sweep up and place in a suitable container for disposal. Flush spill area with water. Do not allow wash water to pollute water ways and streams.

Waste Disposal Method Discharge, treatment, or disposal may be subject to Federal, State or Local laws. These disposal guidelines are intended for the disposal of catalog-size quantities only.
Dispose of in an approved chemical landfill or contract with a licensed waste disposal service.

SECTION VIII SPECIAL PROTECTION INFORMATION

Respiration Protection (Specify Type) None needed in normal laboratory handling. If dusty conditions prevail, work in ventilation hood or wear a NIOSH/MSHA-approved dust mask or respirator.

Ventilation	Local Exhaust	Yes.	Special	No.
	Mechanical (General)	Recommended.	Other	No.

Protective Gloves Rubber. **Eye Protection** Chemical safety glasses.

Other Protective Equipment Lab coat, goggles, eye wash station, proper gloves, ventilation hood.

SECTION IX SPECIAL PRECAUTIONS

Precautions to be Taken in Handling & Storing Store in a cool, dry place away from acids and acid fumes. Wash thoroughly after handling.
Keep container tightly closed when not in use.

Other Precautions Read label on container before using. Do not wear contact lenses when working with chemicals.
Avoid inhalation of dust. Avoid contact with eyes or prolonged contact with skin. Remove and wash contaminated clothing.

For laboratory use only. Not for drug, food or household use. Keep out of reach of children.

Revision No. 5	Date 11/20/98	Approved Michael Raszeja	Chemical Safety Coordinator MR
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The information contained herein is furnished without warranty of any kind. Employers should use this information only as a supplement to other information gathered by them and must make independent determinations of suitability and completeness of information from all sources to assure proper use of these materials and the safety and health of employees. * Hazardous Materials Industrial Standards. Printed on recycled paper.

SECTION I NAME 24 HOUR EMERGENCY ASSISTANCE

Product	ZINC CARBONATE	<p>CHEMTREC 800-424-9300 Day 716-226-6177</p>	Health	0
Chemical Synonyms	Zinc Carbonate		Fire	0
Formula	ZnCO ₃		Reactivity	0
Unit Size	up to 2.5 Kg.		HMIS *	
C.A.S. No.	3486-35-9		LEAST SLIGHT MODERATE HIGH EXTREME	0 1 2 3 4

SECTION II INGREDIENTS OF MIXTURES

Principal Component(s)	%	TLV Units
Zinc Carbonate	100%	None established.

CAUTION! IRRITANT.
HARMFUL IF SWALLOWED.

SECTION III PHYSICAL DATA

Melting Point (°F)	Decomposes at 300°C (572°F)	Specific Gravity (H₂O = 1)	3.5
Boiling Point (°F)	Decomposes.	Percent Volatile by Volume (%)	Non-volatile (NA).
Vapor Pressure (mm Hg)	Negligible as solid.	Evaporation Rate	(=1) Non-volatile (NA).
Vapor Density (Air=1)	Data not listed.		
Solubility in Water	Insoluble.		
Appearance & Odor	White crystalline powder; no odor.		

SECTION IV FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used)	Non-flammable (NA).	Flammable Limits in Air % by Volume	NA	Lower	Upper
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Extinguisher Media Use any media suitable for extinguishing supporting fire.

SPECIAL FIREFIGHTING PROCEDURES

In fire conditions, wear a NIOSH/MSHA-approved self-contained breathing apparatus and protective clothing.

UNUSUAL FIRE AND EXPLOSION HAZARDS

Evolves carbon dioxide at 300°C (572°F). Fire or excessive heat may produce hazardous decomposition products as dust or fume; can react with acids.

D.O.T. NON-REGULATED.

Approved by U.S. Department of Labor "essentially similar" to form OSHA-20