

Material Safety Data Sheet
May be used to comply with
OSHA's Hazard Communication Standard,
29 CFR 1910.1200. Standard must be
consulted for specific requirements.

U.S. Department of Labor
Occupational Safety and Health Administration
(Non-Mandatory Form)
Form Approved
OMB No. 1218-0072

IDENTITY (As Used on Label and List) Zinroc Cement Powder	NOTE: Blank spaces are not permitted. If any item is not applicable, or no information is available, the space must be marked to indicate that.
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Section I

Manufacturer's Name Temrex Corporation	Emergency Telephone Number (800) 645-1226
Address (Number, Street, City, State, and ZIP Code) 112 Albany Avenue	Telephone Number for Information (516) 868-6221
P.O. Box 182	Date Prepared January 24, 2011
Freeport, NY 11520	Signature of Preparer (optional)

Section II – Hazardous Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity: Common Name(s))	OSHA PEL	Other Limits ACGIH TLV
Recommended % (optional)		

Typical Analysis	MG M ³	%
ZnO	5**	99.8*
PbO	0.15	0.001
CdO	0.1	0.001

* 99.99+ on freshly ignited material.

** for freshly prepared ZnO fumes.

Section III – Physical/Chemical Characteristics

Boiling Point N/A	Specific Gravity (H ₂ O = 1) 5.7
Vapor Pressure (mm Hg.) N/A	Melting Point N/A
Vapor Density (AIR = 1) N/A	Evaporation Rate (Butyl Acetate = 1) N/A
Solubility in Water Insoluble.	Molecular Weight 81.4
Appearance and Odor White to Light Yellow Powder consistency; negligible odor.	

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 N/A			
Special Fire Fighting Procedures N/A			
Unusual Fire and Explosion Hazards None.			

Section V – Reactivity Data

Stability	Unstable		Conditions to Avoid
	Stable	X	
Incompatibility (Materials to Avoid)			
None known.			
Hazardous Decomposition or Byproducts			
None known.			
Hazardous Polymerization	May Occur		Conditions to Avoid
	Will Not Occur	X	

Section VI – Health Hazard Data

Route(s) of Entry:		Inhalation?	Skin?	Ingestion?
		Possible	N/A	N/A
Health Hazards (Acute and Chronic)				
Freshly prepared Zinc Oxide fume – 5 mg./M ³				
Carcinogenicity:	NTP?	IARC Monographs?	OSHA Regulated?	
	N/A	N/A	N/A	

Signs and Symptoms of Exposure

Metal fume fever or “Zinc Shakes”

Medical Conditions Generally Aggravated by Exposure

None known.

Emergency and First Aid Procedures

Excessive inhalation of freshly sublimed Zinc Oxide may produce symptoms known asmetal fume fever or “Zinc shakes”, an acute, self-limiting condition without recognizedcomplications of sequelae. Symptoms generally disappear within 24 hours. Symptomatictreatment such as bed rest, possibly aspirin, to afford relief from fever, is recommended.

Section VII – Precautions for Safe Handling and Use

Steps to Be Taken in Case Material is Released or Spilled

Wipe up with soap, water and paper towels.

Waste Disposal Method

Dispose in a closed container or heavy bag.

Precautions to Be Taken in Handling and Storing

Normal precautions to prevent loss or contamination.

Other Precautions

As with any nuisance dust, avoid excessive dusting.

Section VIII – Control Measures

Respiratory Protection (Specify Type)			
U.S. Bureau of Mines Approved Respirator			
Ventilation	Local Exhaust	Special	
	Recommended		N/A
	Mechanical (General)	Other	
	N/A		N/A
Protective Gloves		Eye Protection	
Not required but recommended.		Not required but recommended.	
Other Protective Clothing or Equipment			
N/A			
Work/Hygienic Practices			
Routine.			