

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)  
**TEMREX 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.

**Section I**

Manufacturer's Name <b>TEMREX CORPORATION</b>	Emergency Telephone Number <b>(516) 868-6221</b>
Address (Number, Street, City, State, and ZIP Code) <b>112 Albany Avenue</b>	Telephone Number for Information <b>(516) 868-6221</b>
<b>P.O. Box 182</b>	Date Prepared <b>JUNE 1 2001</b>
<b>Freeport, New York 11520</b>	Signature of Preparer (optional)

**Section II — Hazardous Ingredients/Identity Information**

Hazardous Components (Specific Chemical Identity; Common Name(s))	OSHA PEL	ACGIH TLV	Other Limits Recommended	% (optional)
<b>Typical Analysis</b>	<b>%</b>	<b>MG M<sup>3</sup></b>		
<b>ZnO</b>	<b>99.8*</b>	<b>5**</b>		
<b>PbO</b>	<b>0.001</b>	<b>0.15</b>		
<b>CdO</b>	<b>0.001</b>	<b>0.1</b>		

\* 99.99+ on freshly ignited material.

\*\* for freshly prepared ZnO fumes.

**Section III — Physical/Chemical Characteristics**

Boiling Point	N/A	Specific Gravity (H <sub>2</sub> 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	<b>Insoluble</b>	Molecular Weight	<b>81.4</b>
Appearance and Odor			

**Section IV — Fire and Explosion Hazard Data**

Flash Point (Method Used)	N/A	Flammable Limits	N/A	LEL	UEL
Extinguishing Media	N/A				
Special Fire Fighting Procedures	NONE				

Unusual Fire and Explosion Hazards

Section V — Reactivity Data

Stability	Unstable		Conditions to Avoid
	Stable	X	N/A
Incompatibility (Materials to Avoid)		N/A	
Hazardous Decomposition or Byproducts			
N/A			
Hazardous Polymerization	May Occur		Conditions to Avoid
	Will Not Occur	X	

Section VI — Health Hazard Data

Route(s) of Entry:                      Inhalation?                      Skin?                      Ingestion?

Health Hazards (Acute and Chronic)  
Freshly prepared Zinc Oxide fume - 5 mg./M<sup>3</sup>

Carcinogenicity:                      NTP?                      IARC Monographs?                      OSHA Regulated?

Signs and Symptoms of Exposure

Medical Conditions                      Excessive inhalation of freshly sublimed zinc oxide may  
Generally Aggravated by Exposure                      produce symptoms known as metal fume fever or "zinc shakes",  
an acute, self-limiting condition without recognized complications or sequelae

Emergency and First Aid Procedures                      Symptoms generally disappear within 24 hours. Symptomatic  
treatment such as bed rest, possibly aspirin, to afford relief from fever, chi

Section VII — Precautions for Safe Handling and Use

Steps to Be Taken in Case Material Is Released or Spilled  
As with any nuisance dust, avoid excessive dusting.

Waste Disposal Method  
Dispose in a closed container or heavy bag.

Precautions to Be Taken in Handling and Storing  
Normal precautions to prevent loss and contamination.

Other Precautions

Section VIII — Control Measures

Respiratory Protection (Specify Type)                      U.S. Bureau of Mines Approved Respirator

Ventilation	Local Exhaust	Recommended	Special
	Mechanical (General)		Other

Protective Gloves                      Not required but recommended                      Eye Protection                      Not required but recommended.

Other Protective Clothing or Equipment

Work/Hygienic Practices