



MATERIAL SAFETY DATA SHEET

23010 23120 23122 23305 23382
23385 23388 23391 23395

MSDS No. 05-39-18-01 72710-37
Effective Date 4/27/88

11222 MELROSE AVENUE FRANKLIN PARK, ILLINOIS 60301 (312) 451-0150
CENTRAL SCIENTIFIC COMPANY, LTD.
1830 MATTHEWA AVENUE MISSISSAUGA, ONTARIO L4X 1K1

SECTION I NAME

Product	Zinc Metal
Chemical Synonyms	
Formula	Zn(m)
RTECS #	ZG8600000
C.A.S. No.	7740-66-6

24 HOUR EMERGENCY ASSISTANCE

CHEMREC	HEALTH
800-424-9300	FLAMMABILITY
Day (312) 354-0150	REACTIVITY
HAZARD RATING	
LEAST SLIGHT MODERATE HIGH EXTREME	0 1 2 3 4

SECTION II HAZARDOUS INGREDIENTS OF MIXTURES

Principal Hazardous Component(s)	%	TLV Units
NA = Not Applicable		
NE = None Established		

SECTION III PHYSICAL DATA

Melting Point (°F)	419°C	Specific Gravity (H ₂ O = 1)	7.14
Boiling Point (°F)	907°C	Percent Volatile by Volume (%)	NA
Vapor Pressure (mm Hg)	NA	Evaporation Rate (= 1)	NA
Vapor Density (Air = 1)	NA		
Solubility in Water	Insoluble		
Appearance and Odor	Blue/grey metallic solid, no odor.		

SECTION IV FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used)	NA	Flammable Limits in Air % by Volume	Lower	Upper
Extinguisher Media	Smother with dry solid (i.e. sand, sodium chloride, magnesium oxide).			

SPECIAL FIREFIGHTING PROCEDURES

In the event of a fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full facepiece operated in the pressure demand or other positive pressure mode.

UNUSUAL FIRE AND EXPLOSION HAZARDS

Zinc metal can melt and will burn in the air. Not considered to be an explosion hazard.

D.O.T. Not Regulated

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

SECTION V HEALTH HAZARD DATA

Threshold Limited Value

5 mg/m³ (as Zn) TWA

Effects of Overexposure

Acute: Irritation possible to skin, eyes and GI tract. If heated, metal fumes can result in "zinc fume fever." Chronic: Dermatitis.

Emergency and First Aid Procedures

SKIN: Wash exposed area with soap and water. Get medical advice if irritation occurs. Eyes: Wash eyes with plenty of water for at least 15 minutes, lifting lower and upper eyelids occasionally. Get medical attention immediately. Do not rub. Inhalation: Not expected to require first aid measures. Ingestion: If swallowed, induce vomiting immediately by giving two glasses of water and sticking finger down throat. Never give anything by mouth to an unconscious person. Call a physician, immediately.

SECTION VI REACTIVITY DATA

Stability		Conditions to Avoid	None
Unstable			
Stable	X		

Incompatibility (Materials to avoid)

Strong acids/alkalies, halogens, sulfur, some halocarbons. Most dangerous when molten.

Hazardous Decomposition Products

Zinc oxide fumes.

Hazardous Polymerization

May Occur	Will Not Occur	Conditions to Avoid	None
	X		

SECTION VII SPILL OR LEAK PROCEDURES

Steps to be taken in case material is released or spilled

Sweep up.

Waste Disposal Method

Recycle or dispose of in RCRA approved facility.

Discharge, treatment, or disposal may be subject to federal, state, or local laws.

SECTION VIII SPECIAL PROTECTION INFORMATION

Respiration Protection (Specify Type)	Dust		
Ventilation (Local Exhaust / Mechanical (General))		X	Special Other
Protective Gloves	Vinyl or Rubber	X	Eye Protection
Other Protective Equipment	Lab Coat		Safety Classes

SECTION IX SPECIAL PRECAUTIONS

Precautions to be Taken in Handling and Storing

Store in a cool dry location.

Keep container tightly closed when not in use.

Other Precautions

Read label on container before using.

Conditions Aggravated/Target Organs: Persons with preexisting skin or respiratory disorders may be more susceptible.

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

Rev. No.	3	Date	4/27/88	Approved	K. Kuchel	Chemical Safety Coordinator	RMC
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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.

CENTRAL
SCIENTIFIC
COMPANY

11222 Melrose Avenue, Franklin Park, Illinois 60131-1364

October 31, 1989

Ms. Rosemary Campi
Syracuse City School District
1023 Erie Boulevard
Syracuse, NY
13204

Dear Ms. Campi:

Please find attached copies of the Material Safety Data Sheets you recently requested from Central Scientific Company.

However, the sheets that you requested for the Cobalt Chloride strips and the Wide Range pH Strips are not required as per information from our supplier. Please contact me personally if you have any concern at (800) 262-3626.

Today, all shipments of chemicals from Central Scientific Company currently have MSDS sheets included with the shipment.


Stuart J. Williams
Customer Operations Manager

Enclosure

