

MATERIAL SAFETY DATA SHEET

SECTION I

Product Name: ZINC OXIDE	Synonyms: Chinese White, ZnO, AZO Product Grades: All Grades
MANUFACTURER'S NAME: U.S. ZINC CORPORATION Adjacent to Route 127 South Hillsboro, Illinois 62049	Phone (24 hour Emergency or Info.): 217-532-3931 - Mr. Kim Micklevitz Date Revised: 10-13-98 Prepared By: John Stourac

SECTION II - HAZARDOUS INGREDIENTS

Hazardous Component	CAS No.	% Range	ACGIH TLV/OSHA PEL
Zinc Oxide	1314-13-2	99.8 - 100	5* (Resp.) 5* (Resp.)
Lead*	7439-92-1	Trace	50#
Cadmium*	7440-43-9	Trace	5#
*Naturally Occuring Impurity			*mg/m3 #ug/m3

SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point: N/A	Vapor Pressure: @1500C = 12mm Hg
Melting Point: 1975 C	Evaporation Rate: N/A (Butyl Acetate = 1)
Specific Gravity: 5.68	Solubility In Water: Insoluble
Vapor Density: N/A	Appearance & Odor: Odorless white, cream, gray or yellow powder or pellets

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Flash Point: Non-combustible
Extinguishing Media: N/A

SECTION V - HEALTH HAZARD DATA

Route(s) Of Entry:	1. Inhalation. 2. Mechanical irritation to skin and eyes.
Health Hazards:	Acute respiratory irritant.
Carcinogenicity:	Zinc Oxide is not a carcinogen.
Signs & Symptoms of Exposure:	Dry throat, cough, dry itching skin
Emergency and First Aid Procedures:	Remove from exposure, move to fresh air. Consult physician if acute reactions persist.

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SECTION VI – REACTIVITY DATA

Stability: Stable

Incompatibility (Material To Avoid): 1. Heated Magnesium.
2. Chlorinated Rubber Above 215C.

Hazardous Polymerization: Will not occur.

SECTION VII – PRECAUTIONS FOR SAFE HANDLING AND USE

Steps to be taken in case of material is released or spilled:

- *If spilled, vacuum to prevent heavy concentration of airborne dust.
- *Return to labeled container. *Clean-up personnel should wear respirators.

Waste disposal method:

- *Material has Recyclable Value.
- *If disposed of, follow federal, state, and local regulations.

Precautions to be taken in handling and storing:

- *Good Housekeeping. *Store in dry cool area. *Keep containers closed.

SECTION VIII – CONTROL MEASURES

Respiratory protection: Use NIOSH approved dust filter respirator.

Ventilation: Local exhaust recommended.

Protective gloves: Recommended.

Eye Protection: Recommended.

Protective clothing & equipment: Recommended with bulk dust.

Work/hygienic practices: Wash well after handling.

HMIS System: Hazard Rating: 0 = Minimal 3 = Serious

Health 1 1 = Slight 4 = Severe

Flammability 0 2 = Moderate

Reactivity 0 Personal Protective Index:

Personal Protection E E = Gloves + Dust Mask + Safety Goggles

SECTION IX – REGULATORY INFORMATION

TSCA: On Inventory SARA 302:RQ=None, TPQ=None

RCRA 261: TCLP Determination SARA 311/312: Yes (Acute)

CERCLA 102/103:Name List, RQ=None SARA 313: Zinc Compounds

DOT 172: Not Regulated Prop. 65: YES (Pb, Cd)

FIFRA 152 et seq.: No NSF 60/61: Submitted

FDA 182: Yes NAFTA: 2817.00, B

HAP 61: No ODS/ODC 82: No