

## WESTERN RESERVE CHEMICAL

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## MATERIAL SAFETY DATA SHEET

### WESTCO MZ

CAS #

**137-30-4**

#### 1. Product Identifications

Product Name: (ZDMC) MZ  
Chemical Name: Zinc Dimethyldithiocarbamate  
Formula:  $C_6H_{12}N_2S_4 Zn$

#### 2. Physical Description/Properties

Specific Gravity: 1.7 typical  
Melting Point (C° Min): 240  
Bulk Density (g/cm<sup>3</sup>): NA  
PH Value: NA  
Appearance: Off white powder  
Solubility: Soluble in organic solvents.  
Insoluble in water.  
Volatiles % <0.5

**3. Hazard Information**

**Combustible dust**

Keep away from heat, sparks and flame.

Eye irritant-Can cause redness, tearing and swelling.

Skin contact may cause allergic reaction.

Inhalation may cause upper respiratory irritation. May be fatal if inhaled.

Ingestion: Harmful if swallowed. May cause dizziness, vomiting and irritation of gastrointestinal tract.

**4. First Aid Information**

Skin: Remove contaminated clothing and wash before re-use. Immediately wash contaminated skin with running water.

Ingestion: Immediately rinse mouth with water. Induce vomiting only at the instruction of a physician. Seek immediate medical attention.

Eyes: Flush with water for 15 minutes. Seek medical attention if irritation persists.

Inhalation: Remove person to fresh air. Get immediate medical attention if breathing is difficult or short.

**5. Handling and Storage**

Storage: Store in a dry well-ventilated area avoiding direct exposure to sunlight

Stability in storage: one year

**6. Employee Protection Recommendations**

The employee should wear protective clothes and avoid direct physical contact with the product.

Eye Protection: Wear chemical safety glasses or goggles

Hand Protective Requirements: Wear protective gloves.

Skin Protective Requirements: Wear overalls.

Ventilation: Local exhaust

**7. Toxicological Information**

Low toxicity

LD50 acute oral for rats: >270mg/kg

LD50 acute skin for rabbits: >2000mg/kg

**8. Fire and Explosion Data**

Flash point:	Not available
Exposure standard limits:	Not available
Flammable Limits:	Not available
Extinguish Media:	Spray water, Carbon Dioxide, foam, sand or dry chemical.

**9. Reactivity**

Chemical stability: Stable when stored in original container protected from heat and moisture.

Hazardous Polymerization: Does not occur.

Materials to avoid: Strong oxidizers, acids and water.

Hazardous products of decomposition: Oxides of nitrogen, sulfur and carbon.

**10. Accidental Release and Disposal**

Spills: Sweep and place in closable container. Avoid generation of dust.

Wear appropriate protective clothing and safety devices. Do not use water to remove spilled material.

RCRA Hazardous Waste, P205

Disposal: Bury waste and empty containers in licensed landfill in adherence to federal, state and local regulations.

**11. Transportation Information**

DOT Status	Class 6.1: Poisonous material
DOT shipping name	Toxic Solids, N.O.S., 6.1, UN 2811, PG:1
DOT reportable qty. (lbs)	10,000
ICAO/IATA Status	Toxic Solid, N.O.S., 6.1, UN2811, 1
Proper shipping name	Class 6.1: Poisonous Material
UN/NA number	2811
IMDG Status	Same as DOT Status
TDG Canada	“ “ “ “

**12. Regulatory Information**

TSCA (USA):	All components are listed.
Canadian DSL:	All components are listed.
Canadian NDSL:	Not Applicable. Listed on the DSL.
EINECS/ELINCS (Europe):	All components are listed.

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US Regulatory Rules  
SARA Section 302: None found  
SARA 311/312 Hazard Categories: Immediate Health Hazard  
SARA 313 Chemical: Zinc Dimethyldithiocarbamate  
RCRA Status P205-Acutely Hazardous Waste

Other Regulations:  
California Proposition 65: NONE  
New Jersey Right-to-Know List: Substance #3012  
Pennsylvania Right-to-Know List: Listed  
Florida Right-to-Know List: Not Applicable.  
Minnesota Right-to-Know List: Listed  
MA Right-to-Know List: Zinc Dimethyldithiocarbamate  
Michigan Right-to-Know List: Zinc Dimethyldithiocarbamate

FDA Status 21 CFR: Regulated for Use under the following sections of 21 CFR:  
177.2600 Rubber Articles  
Intended for Repeated Use in Food Contact.

Canadian Regulations  
WHMIS Hazard Class: DIA very TOXIC MATERIALS/  
D2A Very Toxic Material, DB2  
Toxic Materials Causing Other toxic Effects. Concentration threshold 1%.

### **13. Other Information**

HMIS Classification Health 4 Flammability 1 Reactivity 1

Important Note: The information provided is without warranty regarding its accuracy or completeness. The information may not be valid under all conditions. The user has the final responsibility for determining the suitability of the product in a given application.

11/06