

WESTERN RESERVE CHEMICAL

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MATERIAL SAFETY DATA SHEET

WESTCO BZ

CAS #

136-23-2

1. Product Identifications

Product Name: (ZDBC), BZ
Chemical Name: Zinc dibutyldithiocarbamate
Formula: $C_{18}H_{36}N_2S_4Zn$

2. Physical Description/Properties

Specific Gravity: 1.21
Melting Point (C° Min): 103
PH Value NA
Appearance: White to cream powder
Solubility: Soluble in benzene, methylbenzene and gasoline. Insoluble in water.
Volatiles % <0.5
Zinc Content, % 13.5 – 14.8

3. Hazard Information

Combustible dust

Keep away from heat, sparks and flame.
Eye irritant-Can cause redness and tearing.
Skin contact not expected to be a significant hazard.
Inhalation not expected to be a significant hazard.
Ingestion not expected to be a significant hazard.

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: >15000 mg/kg

LD50 acute dermal (rabbit) >2000mg/kg

8. Fire and Explosion Data

Flash point: Not available

Exposure standard limits: Not available

Flammable

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: Carbon monoxide, oxides of nitrogen, sulfur and zinc.

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.

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

11. Transportation Information

DOT Status	Not regulated
DOT shipping name	None
DOT reportable qty. (lbs)	None
ICAO/IATA Status	Not regulated
Proper shipping name	None
UN/NA number	None
IMDG Status	Not regulated
TDG Canada	Not regulated

12. Regulatory Information

Worldwide Inventory Status	
TSCA (USA):	Listed
Canadian DSL:	Listed
Canadian NDSL:	Not Applicable. Listed on the DSL.
EINECS/ELINCS (Europe):	Listed
Japanese Inventory (ENCS):	Listed
Korean Chemical Inventory (ECL):	Listed
Australian Chemical Inventories (AICS):	Listed
New Zealand (NZ):	Listed
Phillipines (PICCS) Inventory:	Listed
China (CLECS):	Listed
US Regulatory Rules	

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SARA Section 302:	None Found
SARA 311/312 Hazard Categories:	Immediate Fire
SARA 313 Chemical:	As "Zinc Compounds", De Minimis concentration = 1.0%.
RCRA Status:	Not a RCRA waste.
Other Regulations:	
California Proposition 65:	NONE
New Jersey Right-to-Know List:	As "Zinc Compounds". NJ Substance #3012.
Pennsylvania Right to Know:	As "Zinc Compounds".
Florida Right to Know:	Not Applicable.
Minnesota Right to Know:	Not Applicable.
MA Right to Know Law:	As "Zinc Compounds".
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. 175.105 Components of Adhesives. 175.300 Resinous and Polymeric Coatings. 177.1210 closures with Sealing Gaskets for food containers. 178.2010 Antioxidants And/or Stabilizers for Polymers.
Canadian Regulations WHMIS Hazard Class:	D2B TOXIC MATERIALS/Materials causing Other Toxic Effects
NPRI:	Listed under the category "Zinc and its compounds", NPRI Part 1, Group 1, ID# 241 [Canada]

13. Other Information

HMIS Classification Health 1 Flammability 1 Reactivity 0

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.

12/05