

WESTERN RESERVE CHEMICAL

4837 DARROW RD. PH# 330-650-2244
STOW, OHIO 44224 Fax# 330-650-2255
CHEMTREC 1-800-424-9300 (USA)

MATERIAL SAFETY DATA SHEET

WESTCO VULMIC BI

CAS #

21260-46-8

1. Product Identifications

Product Name: Vulmic Bi
Chemical Name: Bismuth dimethyldithiocarbamate
Formula: $C_9H_{18}N_3S_6Bi$

2. Physical Description/Properties

Specific Gravity: 2.0 typical
Melting Point (C° Min): 230
Bulk Density (g/cm³): NA
Diameter of Pellet (mm): NA
PH Value: NA
Appearance: Yellow powder
Odor: Slight
Solubility: Soluble in chloroform. Insoluble in water.
Volatiles %: <1.0

Material Safety Data Sheet /Vulmic BI/ Page 2

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.

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
----------	--

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: >3000mg/kg

LD50 acute skin for rabbits: >2000mg/kg

Material Safety Data Sheet /Vulmic BI/ Page 3

8. Fire and Explosion Data

Flash point:	Not available
Exposure standard 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 carbon, sulfur and bismuth.

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.

NOT A RCRA HAZARDOUS WASTE.

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

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.

Material Safety Data Sheet /Vulmic BI/ Page 4

US Regulatory Rules

SARA Section 302:	None found
SARA 311/312 Hazard Categories:	Delayed Fire
Other Regulations:	
California Proposition 65:	NONE
New Jersey Right-to-Know List:	Not Applicable.
Pennsylvania Right-to-Know List:	Not Applicable.
Florida Right-to-Know List:	Not Applicable.
Minnesota Right-to-Know List:	Not Applicable.
MA Right-to-Know List:	Not Applicable.

Canadian Regulations

WHMIS Hazard Class:	NOT CONTROLLED UNDER WHMIS
---------------------	----------------------------

NPRI:

13. Other Information

HMIS Classification Health 1 Flammability 0 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.