

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 DCBS

CAS #

4979-32-2

1. Product Identifications

Product Name: DCBS
Chemical Name: N,N-Dicyclohexyl-2 Benzothiazole
Sulfenamide
Formula: $C_{19}H_{26}N_2S_2$

2. Physical Description/Properties

Specific Gravity: 1.20
Melting Point (C° Min): 98
Appearance: Light pink or light yellow powder
or granular
Odor: Slight amine
Cyclohexane insoluble % Max 0.5
Solubility: Soluble in benzene, acetone
and oil. Insoluble in water
Volatiles % <0.4
Ash % <0.3

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.
Ingestion of large quantities can cause illness.

Material Safety Data Sheet /DCBS/ Page 2

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. Do not store near insoluble sulfur. Do not double stack.
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: >5000mg/kg

LD50 acute skin for rabbits: >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.

Material Safety Data Sheet /DCBS/ Page 3

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, nitrogen and sulfur and amines.

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 Inventory(AICS):	Listed
New Zealand (NZ):	Listed

Material Safety Data Sheet /DCBS/ Page 4

12. Regulatory Information continuation

Philippines (PICCS) Inventory:	Listed
China (CLECS):	Listed
US Regulatory Rules	
SARA Section 302:	None Found
SARA 311/312 Hazard Categories:	Immediate, Delayed
SARA 313 Chemical:	None
RCRA Status:	Not a RCRA waste
Other Regulations:	
California Proposition 65:	NONE
New Jersey Right to Know List:	NA
Pennsylvania Right to Know List:	NA
Florida Right to Know:	NA
Minnesota Right to Know:	NA
MA Right to Know Law:	NA
FDA Status 21 CFR:	Not regulated for Use under 21 CFR:

Canadian Regulations

WHMIS Hazard Class:	D2B TOXIC MATERIALS/ Materials Causing Other Toxic effects
NPRI:	Not listed

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.

9/07

