

# WESTERN RESERVE CHEMICAL

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## MATERIAL SAFETY DATA SHEET

### WESTCO CBS

CAS #  
**95-33-0**

#### 1. Product Identifications

Product Name:	CBS	CAS#	%
Chemical Name:	N-Cyclohexyl-2 Benzothiazole sulfenamide	95-33-0	96 min.
	2-Mercapto Benzothiazole	149-30-4	1.0 max.
	Petroleum oil	64742-54-7	2 max.
	Cyclohexylamine	108-91-8	0.5 max.

#### 2. Physical Description/Properties

Specific Gravity:	1.32-134
Melting Point (C° Min):	98
Appearance:	Grayish white or light yellow powder or granular
Odor:	Slight amine
Methanol insoluble % Max	0.5
Solubility:	Soluble in acetone and ethylalcohol. 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.

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### **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.
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### **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: >5300mg/kg

LD50 acute skin for rats: >7940mg/kg

### **8. Fire and Explosion Data**

Flash point: 350°F (coc)

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 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	Class 9
DOT Shipping name	UN3077, Environmentally Hazardous Substance, Solid, N.O.S., (N-cyclohexyl-2-benzothiazole sulfenamide), 9, III
DOT reportable qty. (lbs)	1001
ICAO/IATA Status	See DOT
UN/NA number	UN3077
IMDG Status	See DOT
TDG Canada	See Dot

**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

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### 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 fire
SARA 313 Chemical:	Component 2-Mercaptobenzothiazole.
RCRA Status:	Not a RCRA waste
Other Regulations:	
California Proposition 65:	NONE
New Jersey Right to Know List:	Component 2-Mercaptobenzothiazole: New Jersey Substance ID#3710. Cyclohexylamine: Substance #0567
Pennsylvania Right to Know List:	Component Cyclohexylamine
Florida Right to Know:	Not Applicable
Minnesota Right to Know:	Component Cyclohexylamine
MA Right to Know Law:	Component Cyclohexylamine Threshold 1 ppm.
Canadian Regulations	
WHMIS Hazard Class:	D2B TOXIC MATERIALS/ Materials Causing Other Toxic effects
NPRI:	Component 2-Mercaptoben- Zothiazole: NPRI Part 1, group 1, ID#148, minimum concentration 1%.

### 13. Other Information

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.

HMIS Classification Health 2 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.