

# WESTERN RESERVE CHEMICAL

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## MATERIAL SAFETY DATA SHEET

### MBTS

CAS #

**120-78-5**

#### 1. Product Identifications

Product Name:	MBTS
Chemical Name:	Mercaptobenzothiazole Disulfide
Formula:	C <sub>14</sub> H <sub>8</sub> N <sub>2</sub> S <sub>4</sub>

#### 2. Physical Description/Properties

Specific Gravity:	1.55
Melting Point (C° Min):	165
PH Value	N/A
Appearance:	Off white powder or pellets
Odor:	Slight Aromatic
Taste:	Slight Bitter
Solubility:	Soluble in acetone and ethyl acetate, insoluble in water and gasoline.
Volatiles %	<0.3
Ash %	<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. May cause skin defatting.

Inhalation may cause upper respiratory irritation.

Ingestion of large quantities is unlikely to cause serious illness or death.

**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: 500mg/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 and sulfur.

**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

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**12. Regulatory Information**

Worldwide Inventory Status

TSCA (USA):	Listed
Canadian DSL:	Listed
Canadian NDSL:	N/A
EINECS/ELINCS (Europe):	Listed
Japanese Inventory (ENCS):	Listed

Korean Chemical Inventory (ECL):	Listed
Australian Chemical Inventories (AICS):	Listed
New Zealand (NZ):	Listed
Philippines (PICCS) Inventory:	Listed
China (CLECS):	Listed

US Regulatory Rules

SARA Section 302:	None Found
SARA 311/312 Hazard Categories:	Immediate Delayed Fire
SARA 313 Chemical:	N/A
RCRA Status:	Not a RCRA waste

Other Regulations:

California Proposition 65:	None
New Jersey Right-to-Know List:	N/A
Pennsylvania Right-to-Know List:	N/A
Florida Right-to-Know:	N/A
Minnesota Right-to-Know:	N/A
MA Right-to-Know Law:	N/A

Canadian Regulations WHMIS

Hazard Class:	D2B TOXIC MATERIALS/Materials Causing Other Toxic Effects
NPRI:	N/A

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**13. Other Information**

FDA status 21 CFR                      Regulated for use under the following sections of 21CFR: 177.2600

Rubber articles intended for repeated use in food contact. 175.105 Components of Adhesives

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