

WESTERN RESERVE CHEMICAL

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MATERIAL SAFETY DATA SHEET

MBT

CAS #

149-30-4

1. Product Identifications

Product Name:	MBT
Chemical Name:	2-Mercaptobenzothiazole
Formula:	C ₇ H ₅ NS ₂

2. Physical Description/Properties

Specific Gravity:	1.51
Melting Point (C° Min):	171
Bulk Density (g/cm ³):	0.35
Diameter of Pellet (mm):	3-5
PH Value	7
Appearance:	White or light yellow powder or pellet
Odor:	Slight Odor
Taste:	Slight Bitter
Solubility:	Soluble in acetone and ethyl acetate and ethyl alcohol; insoluble in water and gasoline.
Volatiles %	<0.4
Ash %	<0.3
Sieve residue(100 mesh)	<0.1

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 produce serious illness or death.

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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
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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: 3800mg/kg

LD50 acute skin for rats: >794mg/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.

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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	Class 9
DOT Shipping name	UN3077, Environmentally Hazardous Substance, Solid, N.O.S., (2-mercaptobenzothiazole), 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:	N/A
EINECS/ELINCS (Europe):	Listed
Japanese Inventory (ENCS):	Listed
Korean Chemical Inventory (ECL):	Listed
Australian Chemical Inventories (AICS):	Listed
New Zealand (NZ):	Listed

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Phillipines (PICCS) Inventory: Listed
China (CLECS): Listed

US Regulatory Rules
SARA Section 302: None Found
SARA 311/312 Hazard Categories: Delayed Fire
SARA 313 Chemical: 2-Mercaptobenzothiazole
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

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. 176.300 Slimicides in paper and paperboard.

Canadian Regulations
WHMIS Hazard Class: D2B TOXIC MATERIALS/Materials causing other toxic effects.
NFPA Rating: N/A

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. 175.300 Slimicides in paper and paperboards

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.