

MATERIAL SAFETY DATA SHEET

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Product No.: 30MT050S

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SECTION I - PRODUCT IDENTIFICATION

Trade Name: Wintrol MBT 50Na
Chemical Name: Sodium 2-Mercaptobenzothiazole, aqueous solution 50%, C₇H₄NS₂Na
Synonyms: NaMBT solution, Sodium mercaptobenzothiazole
Chemical Family: Aromatic thiazole
RATINGS: Health 2, Flammability 0, Reactivity 1, Personal Protection B

SECTION II - INGREDIENTS

COMPONENT	CAS #	WT %	EXPOSURE LIMITS
Sodium mercaptobenzothiazole	2492-26-4	50%	Not assigned
Water	7732-18-5	50%	N/A

SECTION III - PHYSICAL DATA

BOILING POINT	103°C	DENSITY @ 20°C	1.26 g/ml
FREEZING POINT	-14°C	pH @ 20°C	11.5 - 13.5
SOLUBILITY IN WATER	Miscible	EVAPORATION RATE	> 1
VAPOR PRESSURE	24 mbar at 25°C	% VOLATILES BY VOLUME	50%
COLOR	Clear amber liquid	ODOR	no odor

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (CLOSED CUP) > 220°F AUTOIGNITION TEMP. N/A

FLAMMABILITY LIMITS IN AIR: No data found

EXTINGUISHING MEDIA: Carbon dioxide, dry chemical or universal-type foam.

COMBUSTION PRODUCTS: Carbon monoxide, carbon dioxide and smoke.

SPECIAL FIRE FIGHTING PROCEDURES: Wear positive pressure/pressure demand self-contained breathing apparatus, impervious protective clothing and boots. If possible, move containers from the fire area. High pressure water may spread product from broken containers, increasing contamination or fire hazard. Dike fire water for later disposal. Keep this material out of storm sewers, watersheds and waterways.

UNUSUAL FIRE OR EXPLOSION HAZARDS: Closed containers may explode (due to the build-up of pressure) when exposed to extreme heat.

SECTION V - HEALTH HAZARDS

EMERGENCY AND FIRST AID PROCEDURES:

EYE CONTACT: Flush eyes with large amounts of water for 15 minutes. Get medical attention if irritation persists.

SKIN CONTACT: Flush with water for at least 15 minutes. Wash affected area thoroughly with soap and water. Remove contaminated clothing.

INGESTION: Never give anything by mouth to an unconscious person. Give several glasses of water if conscious. If vomiting is not spontaneous, induce vomiting. Keep airways clear. Seek medical attention.

INHALATION: If any breathing problems occur during use, LEAVE THE AREA and get fresh air. If problems remain or occur later, IMMEDIATELY get medical attention.

TOXICITY DATA:

Oral LD₅₀ (Rat): 3,120 mg/kg
Inhalation 1 hr LC₅₀ (Rat): >6.5 mg/L (no mortalities)
Dermal LD₅₀ (Rabbit): > 5,010 mg/kg
Eye irritation (Rabbit): Corrosive
Skin irritation (Rabbit): Corrosive

SECTION VI - REACTIVITY DATA

STABILITY: Stable, sensitive to prolonged exposure to air.

INCOMPATIBILITY: Reacts violently with oxidizing agents. Contact with strong mineral acids will liberate heat.

HAZARDOUS DECOMPOSITION PRODUCTS: BY FIRE: Nitrogen oxides, carbon monoxide and carbon dioxide. HCN in reducing atmospheres.

HAZARDOUS POLYMERIZATION: Will not occur.

SECTION VII - PERSONAL PROTECTION

EYE PROTECTION: Wear safety glasses with un-perforated side-shields.

SKIN PROTECTION: Wear of chemical resistant gloves for long and repeated contact. Contaminated clothing and shoes should be cleaned before reusing. Acceptable industrial hygiene practices should be maintained.

RESPIRATORY PROTECTION: If good ventilation is not available, wear a respiratory device approved by NIOSH/OSHA for protection against organic vapors, mist and dust. Respirator protection program must comply with 29CFR 1910.134

VENTILATION: Provide natural or mechanical ventilation for mist control.

OTHER PROTECTIVE EQUIPMENT: Safety shower, eye wash. Chemical resistant apron or other protective clothing when contact is likely.

SECTION VIII - ENVIRONMENTAL DATA

SPILL & CLEAN UP: Use proper personal protective equipment. Isolate and secure the area and follow the appropriate emergency guidelines. If local high concentration of airborne mist occurs, dilute spill with plenty of water and ventilate to disperse mist-laden air. Sweep up spill and reclaim or place in a covered waste disposal container.

WASTE DISPOSAL METHOD: Dispose of in accordance with federal, state and local regulations regarding pollution.

CERCLA REPORTABLE QUANTITY (RQ): N/A

AQUATIC TOXICITY: Bluegill 96 hr LC ₅₀ :	3.8 mg/l
Trout 96 hr LC ₅₀ :	1.8 mg/l
Fathead minnow 96 hr LC ₅₀ :	2.8 mg/l
Algae (cell count) 96 hr EC ₅₀ :	0.4 mg/l
Daphnia Magna 48 hr LC ₅₀ :	19.0 mg/l

SECTION IX - SHIPPING DATA - PACKAGING - STORAGE

STORAGE: Store in cool, dry, ventilated area away from any heat source. Keep containers tightly closed and in an upright position when not in use.

Do not take internally. Avoid contact with eyes and skin. Do not breathe mist. Avoid creating airborne mist concentrations that could present a health hazard. Store in a cool dry place. Keep container tightly closed.

DOT Shipping Name (ATA): Corrosive liquid, Basic, Organic, N.O.S. UN3267, Class 8, PGIII (Contains Sodium Mercaptobenzothiazole)

SECTION X - REGULATORY INFORMATION

Worldwide chemical inventory status:	USA	TSCA
	Canada	DSL
	Australia	AICS
	Europe	EINECS 219-660-8
	Japan	EMCS 5-243X
	Korea	ECL KE-02725

RCRA: May be hazardous by characteristic (corrosive)

CERCLA: N/A

RARA Hazard Notifications

Hazard Categories under Title III rules: Immediate

Title III Section 313 Toxic Chemicals: None

FDA - Regulated for use under the following section of 21CFR

175.105 Components of adhesives

175.300 Slimicides

175.200 Defoaming agents used in coatings

175.210 Defoaming agents used in the manufacture of paper and paperboard

177.2800 Textiles and textile fibers

178.3120 Animal glue

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