



KEMAI Chemical Co., Ltd.

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Safety Data Sheet

According to Hazard Communication Standard (29 CFR 1910.1200)

MBTS

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1. Product and Company Identification

Material name	MBTS
CAS #	120-78-5
Product code	-
Product use	Not available.
Manufacturer/Supplier	
Supplier(Manufacturer):	KEMAI Chemical Co., Ltd.
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2. Hazards identification

GHS classification

Physical hazards	Not classified	
Health hazards	Skin sensitization	Category 1B
Environmental hazards	Hazardous to the aquatic environment - acute	Category 1
	Hazardous to the aquatic environment - chronic	Category 1

GHS label elements

Hazard Pictograms



Signal word	Warning
Hazard statement	May cause an allergic skin reaction. Very toxic to aquatic life with long lasting effects.

Precautionary statement

Prevention	Avoid breathing dust/fume/ gas/mist/vapors/spray. Contaminated work clothing must not be allowed out of the workplace. Avoid release to the environment. Wear protective gloves.
Response	If on skin: Wash with plenty of water. If skin irritation or rash occurs: Get medical advice/attention. Wash contaminated clothing before reuse. Collect spillage.

Storage Not application.
Disposal Dispose of contents/container in according with local regulation.

3. Composition / Information on Ingredients

Components	CAS#	Percent
di(benzothiazol-2-yl) disulphide	120-78-5	≥95%

5 percent of the mixture consists of component (s) of unknown toxicity.

4. First Aid Measures

First aid procedures

Eye contact Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention if irritation occurs.

Skin contact Wash contaminated skin with soap and water. Remove contaminated clothing and shoes. Continue to rinse for at least 10 minutes. Get medical attention. In the event of any complaints or symptoms, avoid further exposure. Wash clothing before reuse. Clean shoes thoroughly before reuse.

Inhalation Move exposed person to fresh air. Keep person warm and at rest. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention if adverse health effects persist or are severe. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.

Ingestion Get medical attention immediately. Wash out mouth with water. Move exposed person to fresh air. Keep person warm and at rest. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

Notes to physician Treat symptoms.

5. Fire Fighting Measure

Flammable properties This product is non-flammable.

Extinguishing media

Suitable extinguishing media Use water spray (fog), foam, dry chemical or carbon dioxide.

Unsuitable extinguishing media Not available.

Firefighting equipment/instructions Wear self contained breathing apparatus for firefighting if necessary. Fire water contaminated with this material must be contained and prevented from being

discharged to any waterway, sewer or drain.

Carbon oxides, nitrogen oxides, sulfur oxides.

Hazardous combustion products

6. Accidental Release Measures

Personal precautions

No action shall be taken involving any personal risk or without suitable training. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Provide adequate ventilation. Put on appropriate personal protective equipment (see section 8).

Environmental precautions

Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Methods for cleaning up

Large spill: Move containers from spill area. Prevent entry into sewers, water courses, basements or confined areas. Vacuum or sweep up material and place in a designated, labelled waste container. Dispose of via a licensed waste disposal contractor. Note: see section 1 for emergency contact information and section 13 for waste disposal.

Small spill: Move containers from spill area. Vacuum or sweep up material and place in a designated, labelled waste container. Dispose of via a licensed waste disposal contractor.

7. Handling and Storage

Handling

Put on appropriate personal protective equipment (see section 8). Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Persons with a history of skin sensitization problems should not be employed in any process in which this product is used. Do not get in eyes or on skin or clothing. Do not ingest. Avoid release to the environment. If during normal use the material presents a respiratory hazard, use only with adequate ventilation or wear appropriate respirator.

Storage

Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well ventilated area, away from incompatible materials (see section 10) and food and drink. Separate from acids. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination.

8. Exposure Controls / Personal Protection

Control parameters:

OCCUPATIONAL EXPOSURE LIMITS (OEL)

INGREDIENT DATA:

Not available.

EMERGENCY LIMITS:

Ingredient	TEEL-1	TEEL-2	TEEL-3
di(benzothiazol-2-yl) disulphide	Not Available	Not Available	Not Available

Ingredient	Original IDLH	Revised IDLH
di(benzothiazol-2-yl) disulphide	Not Available	Not Available

Exposure controls:

Appropriate engineering controls: Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Individual protection measures, such as personal protective equipment:

Eye / face protection Face shield and safety glasses. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin protection Impervious gloves.

Respiratory protection Where risk assessment shows air-purifying respirators are appropriate use a full-face particle respirator type N100 (US) or type P3 (EN 143) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

General hygiene considerations Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period.

9. Physical & Chemical Properties

Appearance

Physical state	Solid
Form	Needles
Color	pale yellow
Odor	Not available
Odor threshold	Not available
pH	Not available
Vapor pressure	0.00000000597 hPa (20 °C)
Vapor density	Not available
Boiling point	Not available
Melting point/Freezing point	>= 164 <= 179 °C
Solubility (water)	Not available
Specific gravity	Not available
Relative density	1.5 (19 °C)
Density	Not available
Flash point	Not available
Flammability limits in air, upper, %by volume	Not available
Flammability limits in air, lower, % by volume	Not available
Auto-ignition temperature	Not available
VOC	Not available
Percent volatile	Not available
Other data	
Viscosity	Not available

Contaminated packaging

Since emptied containers may retain product residue, follow label warnings even after container is emptied.

14. Transport Information

DOT

Not regulated.

15. Regulatory Information

Safety, health and environmental regulations / legislation specific for the substance or mixture

di(benzothiazol-2-yl) disulphide (120-78-5) is found on the following regulatory lists	"US Toxic Substances Control Act (TSCA) - Chemical Substance Inventory"
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16. Other Information

HMIS@ratings

Health:1
Flammability: 1
Physical hazard: 0

NFPA ratings

Health: 1
Flammability: 1
Instability: 0

Disclaimer

The information in the sheet was written based on the best knowledge and experience currently available.

Issue date

03-18-2015