

Sovchem® CMBT

1. CHEMICAL PRODUCT & COMPANY IDENTIFICATION	
Manufacturer Sovereign Chemical Company 4040 Embassy Parkway, Suite 190 Akron, OH 44333	Emergency Contact Chemtrec: 1-800-424-9300 (USA) (1)330-542-8400 (outside USA)
Trade Name(s): Sovchem® CMBT	Chemical Name: Copper 2-Mercaptobenzothiazolate
Relevant identified uses of the substance or mixture and uses advised against: No further relevant information available.	Application of the substance/the preparation: Rubber Compounding
Issued By: Sovereign Chemical Company 4040 Embassy Parkway, Suite 190 Akron, Ohio 44333	Date of Issue: March 1, 2026

2. HAZARDS IDENTIFICATION

Classification of the substance or mixture

Information in accordance with US 29 CFR 1910.1200 (Hazcom 2012), Regulation (EC) No 1272/2008, 1907/2006/EC (REACH), and GHS.

Hazard Pictograms (CLP)



GHS07,



GHS09

Signal Word

Warning

Hazard statements (CLP)

H317- May cause an allergic skin reaction, Category 1

H400 - Very toxic to aquatic life, Category 1

H410 - Very toxic to aquatic life with long lasting effects, Category 1

Precautionary statements (CLP)

P261 – Avoid breathing dust.

P272 - Contaminated work clothing should not be allowed out of the workplace.

P280 - Wear protective gloves and eye protection.

P302 + P352 - IF ON SKIN: Wash with plenty of soap and water.

P333 + P313 - IF SKIN irritation or rash occurs: Get medical advice/attention.

P363 - Wash contaminated clothing before reuse.

P273 – Avoid release to the environment.

P501 - Dispose of contents/ container to approved waste disposal plant.

P273 - Avoid release to the environment.

P391 - Collect spillage. Hazardous to the aquatic environment.

Results of PBT and vPvB assessment

No data available

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance

Chemical Name	CAS No	EC No	Weight %	Classification
2-Copper Mercaptobenzothiazolate	32510-27-3	251-074-8	50-100	Not classified
benzothiazole-2-thiol	149-30-4	205-736-8	<10	H317- May cause an allergic skin reaction, Category 1 H400 - Very toxic to aquatic life, Category 1 H410 - Very toxic to aquatic life with long lasting effects, Category 1
Hydrogenated Naphthenic Oil (<3 % DMSO extract)	64742-53-6	265-156-6	<10	Not classified

4. FIRST AID MEASURES

Description of first aid measures

- First-aid measures general: If you feel unwell, seek medical advice.
- First-aid measures after inhalation: Assure fresh air breathing. If you feel unwell, seek medical advice.
- First-aid measures after skin contact: Wash with plenty of soap and water.
- First-aid measures after eye contact: Rinse cautiously with water for several minutes. Obtain medical attention if pain, blinking or redness persist.
- First-aid measures after ingestion: Rinse mouth. No significant signs or symptoms indicative of any adverse health hazard are expected to occur as a result of ingestion. Get medical advice/attention if you feel unwell.

Most important symptoms and effects, both acute and delayed

- Symptoms effects: Not expected to present a significant hazard under anticipated conditions of normal use.

Indication of any immediate medical attention and special treatment needed

- General: Treat symptomatically.

5. FIRE FIGHTING MEASURES*Extinguishing media*

Suitable extinguishing agents: Foam. Dry powder. Carbon dioxide. Water spray. Sand.

Unsuitable extinguishing agents: Water jet.

Special hazards arising from the substance or mixture

General: Fine dust clouds may form explosive mixtures with air.
Decomposition products may include: Toxic gas.

Advice for firefighters

General: Special protective actions for fire-fighters include promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.

6. ACCIDENTAL RELEASE MEASURES*Personal precautions, protective equipment and emergency procedures*

Non-emergency personnel: Evacuate unnecessary personnel.

Emergency personnel: Equip cleanup crew with proper protection and ventilate area.

Environmental precautions

General: Avoid dispersal of spilled 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). Water polluting material. May be harmful to the environment if released in large quantities.

Methods and material for containment and cleaning up

Large spill: Stop leak if without risk. Move containers from spill area. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with noncombustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations. Dispose of via a licensed waste disposal contractor.

Small spill: Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

Reference to other sections

General: See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for information on disposal.

7. HANDLING AND STORAGE

Precautions for safe handling

Protective measures: Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing vapor or mist. Use only with adequate ventilation. Keep in the original container or an approved alternative made from compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container. Remove contaminated clothing and protective equipment before entering eating areas. Workers should wash hands and face before eating, drinking and smoking. Put on appropriate personal protection equipment. Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed.

Conditions for safe storage, including any incompatibilities

Storage: Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, clean and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. 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 unlabeled containers. Use appropriate containment to avoid environmental contamination. Empty containers retain product residue and can be hazardous. Do not reuse container.

Specific end use(s)

General: Not applicable

8. EXPOSURE CONTROLS - PERSONAL PROTECTION

Control Parameters

Occupational exposure limits: No data available

Additional exposure limits: Not available

Exposure controls

Appropriate engineering controls: Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

Personal protective equipment

General: Avoid inhalation of dusts. Avoid contact with the skin, eyes and clothing. Wearing of closed work clothing is required additionally to the stated personal protection equipment. Handle in accordance with good building materials hygiene and safety practice. When using, do not eat, drink or smoke. Hands and/or face should be washed before breaks and at the end of the shift. At the end of the shift the skin should be cleaned and skin-care agents applied. Gloves must be inspected regularly and prior to each use. Replace if necessary.

Eye/face protection: Wear safety glasses or goggles to protect against exposure.

Hand protection: Use Chemical resistant, impervious gloves approved according to standard EN 374:2003. Due to many conditions (e.g. temperature) it must be considered that the practical usage of a chemical-protective glove in practice may be much shorter than the permeation time determined through testing.

Body protection: Body Protection must be chosen depending on activity and possible exposure, e.g. apron, protecting boots, chemical-protection suit.

Respiratory protection: Wear respiratory protection if ventilation is inadequate.

Thermal hazard: No data available.

Environmental exposure controls: Prevent spreading in sewers. Assure that emissions are compliant with all applicable air pollution control regulations. Refer to all applicable national, international and local regulations or provisions.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Form: Solid, powder	Melting Point/Range: 88-105°C
Color: Orange	Boiling point/Range: No data available

Odor: No data available	Vapor density: No data available
Odor threshold: No data available	pH value: No data available
Vapor Pressure: No data available	Flash point: No data available
Specific Gravity: 1.17	Flammability: No data available
Bulk Density: Not available	Ignition temperature: No data available
Auto ignition temperature: No data available	Decomposition temperature: No data available
Solubility in / Miscibility with water: No data available	Oxidizing properties: No data available
Partition coefficient (n-octanol/water): No data available	Evaporation rate: No data available
Viscosity Dynamic: Not applicable Kinematic: Not applicable	Explosion limits Lower: Not available Upper: Not available

10. STABILITY AND REACTIVITY

Reactivity

No hazardous reactions if stored and handled under normal conditions.

Chemical stability

Stable under recommended storage conditions.

Possibility of hazardous reactions

Hazardous reactions will not occur under normal transport or storage conditions.

Conditions to avoid

Product of hydrolysis : tert-butylamine.

Incompatible materials

Oxidants and Strong acids.

Hazardous decomposition products

Toxic gas.

11. TOXICOLOGICAL INFORMATION*Information on toxicological effects*

Acute toxicity oral:	No adverse effects observed
Acute toxicity dermal:	No adverse effects observed
Skin corrosion/irritation:	No adverse effects observed
Serious eye damage/irritation:	No adverse effects observed
Respiratory or skin sensitization:	No data available
Germ cell mutagenicity:	No adverse effects observed
Carcinogenicity:	No adverse effects observed
Reproductive toxicity:	No adverse effects observed
STOT single exposure:	No data available
STOT multiple exposure:	No data available
Aspiration hazard:	No data available

12. ECOLOGICAL INFORMATION*Toxicity*

Aquatic toxicity: No data available

Persistence and degradability

Information: No data available

Bioaccumulation potential

Information: No data available

Mobility in soil

Information: No data available

Results of PBT and vPVB assessment

Information: No data available

Other adverse effects

Information: No known significant effects or critical hazards

13. DISPOSAL CONSIDERATIONS

Waste treatment methods

Methods: Dispose in a safe manner in accordance with local/national regulations. Dispose of contents/container to a licensed waste center in accordance with local/regional/national/international regulations.

14. TRANSPORTATION INFORMATION

UN-Number

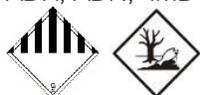
DOT, Not regulated
 ADR, ADN, IMDG, IATA UN3077

UN proper shipping name:

DOT, Not regulated
 ADR, ADN, IMDG, IATA 3077 ENVIRONMENTALLY HAZARDOUS SUBSTANCE
 SOLID, N.O.S (2-Copper Mercaptobenzothiazolate)

Transport hazard class(es)

DOT, Not regulated
 ADR, ADN, IMDG, IATA 9 (M7) Miscellaneous dangerous substances and articles.



Packing group

DOT, Not regulated
 ADR, ADN, IMDG, IATA III

Environmental hazards

Marine pollutant Yes, Symbol (fish and tree)
 Special Marking (ADR) Symbol (fish and tree)
 Special Marking (IATA) Symbol (fish and tree)

Special precautions for user

Danger code (Kemler) 90
 EMS Number F-A, S-F

Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:

Not applicable

Transport/Additional information

ADR
 Limited quantities (LQ) 5 kg
 Transport category 3

Tunnel restriction code
UN "Model Regulation"

E
UN3077, ENVIRONMENTALLY HAZARDOUS
SUBSTANCE, SOLID, N.O.S. (2-Copper
Mercaptobenzothiazolate) 9, III

15. REGULATORY INFORMATION

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

SARA Section 355 (extremely hazardous substances)	Not listed
SARA Section 313 (Specific toxic chemical listings)	CAS: 149-30-4 listed
TSCA (Toxic Substances Control Act)	Listed
Proposition 65 (California)	
Chemicals known to cause cancer	CAS: 149-30-4 listed
Chemicals known to cause reproductive toxicity for females	Not listed
Chemicals known to cause reproductive toxicity for males	Not listed
Chemicals known to cause developmental toxicity	Not listed
Carcinogenic Categories	
IARC (International Agency for Research on Cancer)	Not listed
TLV (Threshold Limit Value established by ACGIH)	Not listed
NIOSH-Ca (National Institute for Occupational Safety and Health)	Not listed
OSHA (Occupational Safety & Health Administration)	Not listed
Canada	
Canadian Domestic Substances List (DSL)	Listed
Canadian Ingredient Disclosure list (limit 0.1%)	Not listed
Canadian Ingredient Disclosure list (limit 1%)	Not listed
REACH	
REACH Candidate List	Not listed
REACH XIV List	Not listed

Chemical safety assessment:

A Chemical Safety Assessment has not been carried out.

16. OTHER INFORMATION

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.