

Sovchem[®] TBzTD

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 [®] TBzTD Oiled Powder, TBzTD Powder	Chemical Name: Tetrabenzylthiuram disulfide
Relevant identified uses of the substance or mixture and uses advised against: No further relevant information available.	Application of the substance/the preparation: Chemicals for synthesis.
Issued By: Sovereign Chemical Company 4040 Embassy Parkway, Suite 190 Akron, Ohio 44333	Date of Issue: June 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)	: None
Signal Word	: None
Hazard statements (CLP)	: H413 - May cause long lasting harmful effects to aquatic life, Category 4
Precautionary statements (CLP)	: P501 - Dispose of contents/ container to an approved waste disposal plant P273 - Avoid release to the environment
Other Hazard	: This substance does not meet the criteria for PBT / vPvB of REACH regulation, annex XIII

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance

Chemical Name	CAS No	EC No	Weight %	Classification
Tetrabenzylthiuram disulfide	10591-85-2	404-310-0	≥ 96	H413- May cause long lasting harmful effects to aquatic life

4. FIRST AID MEASURES

Description of first aid measures

First-aid measures general:

In all cases of doubt, or when symptoms persist, seek medical attention.

First-aid measures after inhalation:	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical advice/attention if you feel unwell.
First-aid measures after skin contact:	Wash with soap and water. If skin irritation persists, call a physician. Take off contaminated clothing.
First-aid measures after eye contact:	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
First-aid measures after ingestion:	Rinse mouth. Get medical attention. Never give anything by mouth to an unconscious person.

Most important symptoms and effects, both acute and delayed

General: No information available.

Indication of any immediate medical attention and special treatment needed

General: Treat symptomatically.

5. FIRE FIGHTING MEASURES

Extinguishing media

Suitable extinguishing agents: Dry chemical, CO₂, sand, earth, water or chemical foams.

Unsuitable extinguishing agents: No information available.

Special hazards arising from the substance or mixture

General: Thermal decomposition can lead to release of irritating and toxic gases and vapors, such as carbon oxides, sulfur oxides, and nitrogen oxides.

Advice for firefighters

General: Fire-fighters should wear appropriate breathing apparatus and protective equipment. Fire-fighting in the wind. Ensure adequate ventilation. Move container from fire area if it can be done without risk. Cool containers with water spray. Prevent fire-fighting water from entering surface water or groundwater. Evacuate all non-essential personnel.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

General measures: Evacuate personnel to safe areas. Ensure adequate ventilation, especially in confined areas. Remove all sources of ignition. Do not touch or walk through spilled material. Avoid contact with skin, eyes or clothing. Avoid generation of dust. Avoid breathing dust/fume/gas/mist/vapors/spray. Use personal protection recommended in Section 8. *Environmental precautions*

General precautions: Local authorities should be advised if significant spillages cannot be contained. Prevent entry into waterways, sewers, basements or confined areas.

Methods and material for containment and cleaning up

General methods and materials: 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.

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.

Reference to other sections

Sections: See Section 7 for more information
See section 8 for more information
See section 13 for more information

7. HANDLING AND STORAGE

Precautions for safe handling

General: Handle in accordance with good industrial hygiene and safety practice. Ensure adequate ventilation, especially in confined areas. Avoid contact with skin, eyes or clothing. Wash contaminated clothing before reuse. Take precautionary measures against static discharges. Avoid generation of dust. Do not breathe dust/fume/gas/mist/vapors/spray. Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Use personal protection recommended in Section 8.

Conditions for safe storage, including any incompatibilities

General: Keep containers tightly closed in a dry, cool and well-ventilated place. Keep away from heat. Store away from strong oxidizing materials. Keep locked up and out of reach of children. Keep away from food, drink and animal feeding stuffs. Store in accordance with local regulations.

Specific end use(s)

General: No other information available.

8. EXPOSURE CONTROLS - PERSONAL PROTECTION

Control Parameters

Exposure Limits: No data available.

Derived no effect level (DNEL): No hazard identified

Predicted no effect concentration (PNEC): PNEC STP: 100 mg/L
PNEC soil: 1.35 mg/kg soil dw

Exposure controls

Engineering controls: Ensure adequate ventilation, especially in confined areas. Showers. Eyewash stations. Remove all sources of ignition.

Personal protective equipment: Suitable protective clothing.

Eye protection: Wear safety glasses with side shields (or goggles).

Hand protection: Wear protective gloves.

Respiratory protection: In case of insufficient ventilation, wear suitable respiratory equipment.

Thermal hazard: No information available.

Environmental exposure controls: Prevent entry into waterways, sewers, basements, or confined areas.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Form: Powder	Melting Point/Range: 133 °C
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Color: Light Yellow	Boiling Point/Range: 148 °C
Odor: Odorless	Odor threshold: Not available
pH: Not determined	Flash point: Not available
Vapor Pressure: 0.86 Pa (25 °C)	Flammability: Not flammable
Density at 20 °C: 1.12 g/cm ³	Ignition temperature: Not available
Relative density: Not available	Decomposition temperature: not applicable
Solubility: Water: 10 µg/L(21 °C)	Partition coefficient (n-octanol/water): 3.7 (20 °C)
Oxidizing properties: Not determined	Explosion limits: Lower: Not applicable Upper: Not applicable

Other information: No further relevant information available.

10. STABILITY AND REACTIVITY

Reactivity:	The substance is stable under normal storage and handling conditions.
Chemical Stability:	Stable under normal conditions.
Possibility of hazardous reactions:	None under normal processing.
Conditions to avoid:	Heat, flames and sparks. Incompatible materials.
Incompatible materials:	Strong oxidizing agents.
Hazardous decomposition products:	Carbon oxides, sulfur oxides, nitrogen oxides.

11. TOXICOLOGICAL INFORMATION

Information on toxicological effects

Acute toxicity: Harmful if swallowed. Harmful if inhaled.

Tetrabenzylthiuram disulfide (CAS #: 10591-85-2)

LD50 oral rat	> 5000 mg/kg
LD50 dermal rabbit	> 2000 mg/kg

Skin corrosion/irritation:	Not classified.
Serious eye damage:	Not classified.
Sensitization:	Not classified.
Germ cell mutagenicity:	Negative. Not classified.
Carcinogenicity:	Not classified
Reproductive toxicity:	Not classified.
STOT single exposure:	Not classified
STOT multiple exposure:	Not classified
Aspiration hazard:	Not classified
Endocrine disrupting properties:	The substance is not included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605
Other information:	No information available

12. ECOLOGICAL INFORMATION

Toxicity
 May cause long lasting harmful effects to aquatic life.

Persistence and degradability
 0% degradation, 28days.
 Not readily biodegradable.

Bioaccumulative potential

Tetrabenzylthiuram disulfide (CAS #: 10591-85-2)	
Partition coefficient (LogPow)	3.7
Bioconcentration factor (BCF)	131'

Mobility in soil
 Log Koc: 7.5

Results of PBT and vPvB assessment
 This substance is not considered to be PBT/vPvB substance.

Endocrine disrupting properties

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Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS

Waste treatment methods

Waste from residues/unused products: Disposal should be in accordance with applicable regional, national and local laws and regulations.

Contaminated packaging: Disposal should be in accordance with applicable regional, national and local laws and regulations.

14. TRANSPORTATION INFORMATION

UN-Number
DOT, ADR, ADN, IMDG, IATA, RID N/A

UN proper shipping name
DOT, ADR, ADN, IMDG, IATA, RID N/A

Transport hazard class(es)
DOT, ADR, ADN, IMDG, IATA, RID N/A

Packing group
DOT, ADR, ADN, IMDG, IATA, RID N/A

Environmental hazards
Marine pollutant No

Special precautions for user Not applicable

Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code UN "Model Regulation" Not applicable

15. REGULATORY INFORMATION

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

SARA Section 355 (extremely hazardous substances)	Not listed
SARA Section 313 (Specific toxic chemical listings)	Not listed
TSCA (Toxic Substances Control Act)	Listed

Proposition 65 (California)	
Chemicals known to cause cancer	Not 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 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