




Sovchem® TMTD

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® TMTD Oiled Powder or Granule	Chemical Name: Tetramethylthiuram 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: May 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,  GHS08,  GHS09
Signal Word	: Warning
Hazard statements (CLP)	: H302 – Harmful if swallowed, Category 4 H315 – Causes skin irritation, Category 2 H317 – May cause an allergic skin reaction, Category 1 H319- Causes serious eye irritation, Category 2 H332 – Harmful if inhaled, Category 4 H373- Causes damage to organs through prolonged or repeated exposure, Category 2 H400 - Very toxic to aquatic life, Category 1 H410 - Very toxic to aquatic life with long lasting effects, Category 1
Precautionary statements (CLP)	: P264- Wash hands thoroughly after handling P270 – Do not eat, drink or smoke when using this product P301 + P312 - IF SWALLOWED: call a POISON CENTER or doctor/physician IF you feel unwell P330 – Rinse mouth P280 - Wear protective gloves/protective clothing/eye protection/face protection P332 + P313 - IF SKIN irritation occurs: Get medical advice/attention P362 - Take off contaminated clothing and wash before reuse P305 + P251 + P338 - IF IN EYES: Rinse cautiously with water for

several minutes. Remove contact lenses, if present and easy to do.
 Continue rinsing
 P337 + P313P - IF eye irritation persists: Get medical advice/attention
 P260 - Do not breathe dust/fume/gas/mist/vapors/spray
 P314 - Get medical advice/attention if you feel unwell
 P261 – Avoid breathing dust/fume/gas/mist/vapors/spray
 P272 - Contaminated work clothing should not be allowed out of the workplace
 P280 - Wear protective clothing, eye protection, face protection, protective gloves
 P302+P352 - IF ON SKIN: Wash with plenty of soap and water
 P321 – Specific treatment (see supplemental first aid instructions on this label)
 P333+ P313 - If skin irritation or rash occurs: Get medical advice/attention
 P501 - Dispose of contents/ container to an approved waste disposal plant
 P363 - Wash contaminated clothing before reuse
 P273 - Avoid release to the environment
 P391 - Collect spillage. Hazardous to the aquatic 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
Tetramethylthiuram disulfide	137-26-8	205-286-2	≥ 96	H302 – Harmful if swallowed, Category 4 H315 – Causes skin irritation, Category 2 H317 – May cause an allergic skin reaction, Category 1 H319- Causes serious eye irritation, Category 2 H332 – Harmful if inhaled, Category 4 H373- Causes damage to organs through prolonged or repeated exposure, Category 2 H400 - Very toxic to aquatic life, Category 1 H410 - Very toxic to aquatic life with long lasting effects, Category 1

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 to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get immediate medical advice/ attention.
First-aid measures after skin contact:	Wash off immediately with plenty of water for at least 15 minutes. Take off all contaminated clothing immediately. Call a physician or poison control center immediately.
First-aid measures after eye contact:	Rinse immediately with plenty of water, also under the eyelids, for at least 15 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:	Call a physician or poison control center immediately. Clean mouth with water and drink afterwards plenty of water. Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person.

Most important symptoms and effects, both acute and delayed

General:	Harmful if swallowed. Causes skin irritation. May cause an allergic skin reaction. Causes serious eye irritation. Harmful if inhaled. May cause damage to organs through prolonged or repeated exposure.
----------	--

Indication of any immediate medical attention and special treatment needed

General:	If skin irritation or rash occurs, get medical advice/attention.
----------	--

5. FIRE FIGHTING MEASURES*Extinguishing media*

Suitable extinguishing agents:	Use water spray to extinguish, Carbon dioxide (CO ₂), Alcohol-resistant foam.
Unsuitable extinguishing agents:	Water jet.

Special hazards arising from the substance or mixture

General:	Avoid generating dust; fine dust dispersed in air in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard.
----------	---

Hazardous combustion products: Carbon monoxide, Nitrogen oxides (NO_x), Sulfur oxides.

Advice for firefighters

General:

Wear an approved positive pressure self-contained breathing apparatus in addition to standard firefighting gear.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

General measures:

Wear appropriate personal protective equipment. Local authorities should be advised if significant spillages cannot be contained. Wear an appropriate NIOSH/MSHA approved respirator if dust is generated.

Environmental precautions

General precautions:

Avoid release to the environment.

Methods and material for containment and cleaning up

General methods and materials:

Sweep up or vacuum up spillage and collect in suitable container for disposal.

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:

Avoid breathing dust. Do not get on skin or clothing. Do not get into your eyes. Do not swallow. Ensure adequate ventilation. Wash thoroughly after handling. Minimize dust generation and accumulation. Keep product and empty container away from heat and sources of ignition. Handle in accordance with good industrial hygiene and safety practice. Do not eat, drink and smoke in work areas. Wash hands after use. Remove contaminated clothing and protective equipment before entering eating areas.

Conditions for safe storage, including any incompatibilities

General:

Keep tightly closed. Keep in a dry, cool and well-ventilated place. Keep away from direct sunlight. Use only explosion proof equipment.

Specific end use(s)

General: No other information available.

8. EXPOSURE CONTROLS - PERSONAL PROTECTION

Control Parameters

Chemical Name	Australia	Austria	Belgium	Denmark	European Union
Tetramethyl thiuram disulfide (CAS : 137-26-8)	TWA: 1 mg/m ³	STEL 25 mg/m ³ TWA: 5 mg/m ³	TWA: 0.005 ppm, 0.05 mg/m ³	TWA: 1 mg/m ³ STEL: 2 mg/m ³	-

Chemical Name	Latvia	France	Finland	Germany	Italy
Tetramethyl thiuram disulfide (CAS : 137-26-8)	-	TWA: 5 mg/m ³	TWA: 1 mg/m ³ STEL: 2 mg/m ³	TWA: 1 mg/m ³ STEL: 2 mg/m ³	-

Chemical Name	Poland	Portugal	Spain	Switzerland	Netherlands
Tetramethyl thiuram disulfide (CAS : 137-26-8)	TWA: 0.05 mg/m ³	-	TWA: 1 mg/m ³	STEL: 2 mg/m ³ TWA: 1 mg/m ³	-

Chemical Name	Norway	United Kingdom	ACGIH TLV	OSHA PEL	NIOSH IDLH
Tetramethyl thiuram disulfide (CAS : 137-26-8)	-	-	TWA: 0.05 mg/m ³	TWA: 5 mg/m ³	TWA: 5 mg/m ³

Derived no effect level (DNEL): No information available. No chemical safety assessment has not been carried out.

Predicted no effect concentration (PNEL): No information available. No chemical safety assessment has not been carried out.

Exposure controls

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

Personal protective equipment: Suitable protective clothing.

Eye protection: Wear safety glasses with side shields (or goggles). Face-shield Always wear eye protection when the potential for

inadvertent eye contact with the product cannot be excluded.

Hand protection:

Rubber gloves. Neoprene gloves.

Respiratory protection:

Use respiratory protection unless adequate local exhaust ventilation is provided or exposure assessment demonstrates that exposures are within recommended exposure guidelines. Effective dust mask.

Thermal hazard:

Wear suitable protective clothing to prevent heat.

Environmental exposure controls:

Avoid discharge into the environment. According to local regulations, Federal and official regulations.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Form: Solid powder or granule	Melting Point/Range: 144-146 °C
Color: White	Boiling Point/Range: Not available
Odor: Not available	Odor threshold: Not available
pH: 6.75 (4 vol%) (20°C)	Flash point: Not available
Vapor Pressure: 0 Pa	Flammability: Not available
Density at 20 °C: 1.36 g/cm ³	Ignition temperature: Not available
Relative density: Not available	Decomposition temperature: ≥ 165 ≤ 255°C
Solubility: Water: 0.018 g/L	Partition coefficient (n-octanol/water): log Pow: 1.81
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: S Stable at room temperature in closed containers under normal storage and handling conditions.

Possibility of hazardous reactions: Hazardous decomposition products formed under fire conditions. Dust can form an explosive mixture in air.

Conditions to avoid: Incompatible materials. Avoid dust formation. Heat, flames and sparks.

Incompatible materials: Strong oxidizing agents. Strong acids.

Hazardous decomposition products: Carbon monoxide, Carbon dioxide (CO₂), Nitrogen oxides (NO_x), Sulfur oxides.

11. TOXICOLOGICAL INFORMATION

Information on toxicological effects

Acute toxicity: Harmful if swallowed. Harmful if inhaled.

Tetramethyl thiuram disulfide (CAS : 137-26-8)	
LD50 oral rat	1080 mg/kg
LD50 dermal rabbit	> 2000 mg/kg
LC50 inhalation -rat	500 mg/m ³ /4h

Skin corrosion/irritation: Causes skin irritation, rabbit.

Serious eye damage: Causes serious eye irritation, rabbit.

Sensitization: May cause an allergic skin reaction, guinea pig.

Germ cell mutagenicity: Negative.

Carcinogenicity: Not classified

Tetramethyl thiuram disulfide (CAS : 137-26-8)	
IARC Group	3- Not classifiable as to its carcinogenicity to humans

Reproductive toxicity: No evidence of teratogenicity in animal studies using rats, mice and hamsters.

STOT single exposure: Not classified

STOT multiple exposure: Not classified

Tetramethyl thiuram disulfide (CAS : 137-26-8)	
LOAEL (oral, rat, 90 days)	38 mg/kg EU Method B.26
NOAEL (oral, rat, 90 days)	3.5 – 4 mg/kg EU Method B.26
NOAEL (subchronic, oral, animal/male, 90 days)	< 51 mg/kg mouse, male
NOAEL (subchronic, oral, animal/female, 90 days)	< 59 mg/kg mouse, female

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

Very toxic to aquatic life with long lasting effects.

Tetramethyl thiuram disulfide (CAS : 137-26-8)	
LC50 96h - Fish	0.046 mg/l Oncorhynchus mykiss (previous name: Salmo gairdneri)
LC50 96h - Fish	0.13 mg/l Lepomis macrochirus
EC50 48h - Crustacea	0.38 mg/l Daphnia magna
EC50 72h - Algae	0.065 mg/l Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)
EC50 96h - Algae	< 0.1 mg/l Desmodesmus subspicatus

Persistence and degradability

Biodegradability: 100 %, Exposure time: 28 d.
 Result: Readily biodegradable.
 Method: OECD Test Guideline 301D

Bioaccumulative potential

Tetramethyl thiuram disulfide (CAS : 137-26-8)	
Partition coefficient (LogPow)	1.73
Bioconcentration factor (BCF)	91

Mobility in soil

No information available.

Results of PBT and vPvB assessment

This substance is not considered to be persistent, bioaccumulating nor toxic (PBT). This substance is not

considered to be very persistent nor very bioaccumulating (vPvB).

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 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	N/A
ADR, ADN, IMDG, IATA, RID	UN3077
UN proper shipping name	
DOT	N/A
ADR, ADN, IMDG, IATA, RID	3077 ENVIRONMENTALLY HAZARDOUS SUBSTANCE SOLID, N.O.S (Tetramethyl thiuram disulfide)
Transport hazard class(es)	
DOT	N/A
ADR, ADN, IMDG, IATA, RID	9
Packing group	
DOT	N/A
ADR, ADN, IMDG, IATA, RID	III
Environmental hazards	Marine Pollutant
Marine pollutant	Yes (fish and tree symbol)
Special Marking (ADR)	Fish and tree symbol
Special Marking (IATA)	Fish and tree symbol
Special precautions for user	Not data available
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)	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)	Listed
TLV (Threshold Limit Value established by ACGIH)	Listed
NIOSH-Ca (National Institute for Occupational Safety and Health)	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%)	Listed
REACH	
REACH Candidate List	Not listed
REACH XIV List	Not listed

Chemical safety assessment: No chemicals 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