Safety Data Sheet

Dimacit TMTD-OP

1. CHEMICAL PRODUCT & COMPANY IDENTIFICATION	
Manufacturer Taminco US LLC A Subsidiary of Eastman Chemical Company 200 South Wilcox Drive Kingsport TN 37660	Emergency Contact Chemtrec: 1-800-424-9300 (USA) (1)330-542-8400 (outside USA)
Trade Name(s): Dimacit TMTD Oiled Powder	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: Used as rubber vulcanization accelerator.
Issued By: Sovereign Chemical Company (Distributor) 4040 Embassy Parkway, Suite 190 Akron, Ohio 44333	Date of Issue: June 15, 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
H410 – Very toxic to aquatic life with long last effects, Category 1

Precautionary statements (CLP) :
P261 - Avoid breathing dust/fume/gas/mist/vapors/spray.
P264 - Wash hands thoroughly after handling.
P270 - Do not eat, drink or smoke when using this product.
P271 - Use only outdoors or in a well-ventilated area.
P273 - Avoid release to the environment.
P280 - Wear protective gloves/protective clothing/eye protection/face protection.
P301 + P312 - IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell.
P302 + P352 - IF ON SKIN: Wash with plenty of water.
P304 + P340 - IF INHALED: remove person to fresh air and keep comfortable for breathing.
P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for

several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P312 - Call a POISON CENTER/doctor if you feel unwell.
P330 - Rinse mouth.
P332 + P313 - If skin irritation occurs: Get medical advice/attention.
P337 + P313 - f eye irritation persists: Get medical advice/attention.
P362 - Take off contaminated clothing and wash before reuse
P501 - Dispose of contents/container in accordance with local/regional/national/international regulations.
P272 - Contaminated work clothing should not be allowed out of the workplace.
P333 + P313 - IF SKIN irritation or rash occurs: Get medical advice/attention.
P363 - Wash contaminated clothing before reuse.
P260 - Do not breathe dust/fume/gas/mist/vapors/spray.
P314 - Get medical advice/attention if you feel unwell.

Other hazards : No information available

3. COMPOSITION/INFORMATION ON INGREDIENTS

Mixture

Chemical Name	CAS No	EC No	Weight %	Classification
Tetramethylthiuram disulfide	137-26-8	205-286-2	≥ 90 ≤ 100	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 H410 – Very toxic to aquatic life with long last effects, Category 1
White mineral oil	8042-47-5	232-455-8	≥1 ≤5	Not classified

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 from exposure and move to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid.

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

Symptoms effects:	Irregular cardiac activity. Dermatitis. Eczema. Headache. Nausea. Shortness of breath. May produce an allergic reaction. Health injuries may be delayed. More severe effects if alcohol is consumed. Harmful if swallowed or if inhaled. Causes skin irritation. May cause an allergic skin reaction. Causes serious eye irritation. May cause damage to organs through prolonged or prolonged exposure if swallowed

Indication of any immediate medical attention and special treatment needed

General:	General advice for dithiocarbamates Biomonitoring possible at chronical exposure: determination of TTCA in the urine at the end of the workday/week. Blood testing for delayed effects: liver tests, kidney function, thyroid function. Treat symptomatically.

5. FIRE FIGHTING MEASURES

Extinguishing media

Suitable extinguishing agents:	Water, carbon dioxide (CO_2), alcohol resistant foam.
Unsuitable extinguishing agents:	Water jet.

Special hazards arising from the substance or mixture

Hazards:	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, 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

Non-emergency personnel:	Wear appropriate personal protective equipment. Local authorities should be advised if significant spillages cannot be contained.
Emergency personnel:	Wear appropriate personal protective equipment. Local authorities should be advised if significant spillages cannot be contained.

Environmental precautions

General:	Avoid release to the environment.

Methods and material for containment and cleaning up

General:	Sweep up or vacuum up spillage and collect in suitable container for disposal. Contain spillage, soak up with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a container for disposal according to local / national regulations (see section 13).

Reference to other sections

General:	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:	Minimize dust generation and accumulation. Keep product and empty container away from heat and sources of ignition.
General advice on hygiene:	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.

Conditions for safe storage, including any incompatibilities

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

Specific end use(s)
General: No further relevant information available

8. EXPOSURE CONTROLS - PERSONAL PROTECTION

Control Parameters

Components	CAS	Value Type	Control Parameters	Basis
Tetramethylthiuram disulfide	137-26-8	TWA (inhalable fraction and vapor)	0.05 mg/m^3	ACGIH
		TWA	5 mg/m^3	NIOSH REL
		TWA	5 mg/m^3	OSHA Z-1
		TWA	5 mg/m^3	OSHA P0
White Mineral Oil	8042-47-5	TWA (Mist)	5 mg/m^3	OSHA Z-1
		TWA (Inhalable particulate matter)	5 mg/m^3	ACGIH
		TWA (Mist)	5 mg/m^3	OSHA P0
		TWA (Mist)	5 mg/m^3	NIOSH REL
		ST (Mist)	10 mg/m^3	NISOH REL

Exposure controls

Appropriate engineering controls: Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

Eye/face 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 The data about break through time/strength of material are standard values! The exact break through time/strength of material has to be obtained from the producer of the protective glove.

Body protection: Complete suit protecting against chemicals

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:	No information available.
Environmental exposure controls:	Aoid discharge into the environment.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Form: Powder	Melting Point/Melting Range: 144 - 146 °C
Color: White	Boiling Point/Boiling Range: 165 °C, decomposition
Odor: Not available	Octanol/Water Partition Coefficient: log Pow 1.73
Odor threshold: Not available	pH Value: 6.5; concentration 4%
Relative vapor density: Not available	Flash point: Not available
Oxidizing properties: Not available	Flammability (solid, gaseous): Not auto-flammable
Relative density: 1.36 g/cm^3	Ignition temperature: Not available
Vapor pressure: 0.00002 Pa (77 °F / 25 °C)	Decomposition temperature: 165 °C
Evaporation rate: Not available	Water solubility (g/l): 0.0165 g/L
Viscosity Dynamic: Not applicable. Kinematic: Not applicable.	Explosion limits Lower: Not determined Upper: Not determined

10. STABILITY AND REACTIVITY

Reactivity

None reasonably foreseeable.

Chemical stability
Stable under normal conditions.

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

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

Incompatible materials
Strong oxidizing agents. Strong acids.

Hazardous decomposition products
Carbon monoxide, carbon dioxide, nitrogen oxides. Sulfur oxides.

11. TOXICOLOGICAL INFORMATION

Information on toxicological effects

Acute toxicity: Tetramethylthiuram disulfide	Harmful if swallowed or inhaled.
LD50 (Oral, Rat):	1800 mg/kg
LD50 (Dermal, Rabbit):	> 2000 mg/kg. Assessment: The substance or mixture has no acute dermal toxicity
LC50 (Inhalation, Rat):	**4.2 mg/l, 4h, dust, mist.**
White mineral oil LD50 (Oral, Rat):	> 5000 mg/kg
Skin corrosion/Irritation: Tetramethylthiuram disulfide	Causes skin irritation, Rabbit 4h, skin irritation
Serious eye damage/irritation: Tetramethylthiuram disulfide	Causes serious eye irritation Rabbit irritation
Respiratory or skin sensitization: Tetramethylthiuram disulfide	May cause an allergic skin reaction Guinea pig, sensitizing
Germ cell mutagenicity:	Did not show mutagenic effects in animal experiments.
Carcinogenicity:	Not classified based on available information.
Reproductive toxicity:	Not classified based on available information.
STOT single exposure:	Not classified based on available information.
STOT repeated exposure:	May cause damage to organs (Liver) through prolonged or repeated exposure if swallowed.
White mineral oil:	Rat, NOAEL ≥ 1200 mg/kg, oral, 90 days

Aspiration hazard: Not classified based on available information.

Information on other hazards

General: No other information available.

12. ECOLOGICAL INFORMATION

Ecotoxicity

Tetramethylthiuram disulfide	
LC50 96h – Fish	0.046-0.54 mg/l Oncorhynchus mykiss (previous name: Salmo gairdneri)
EC50 48h - Crustacea	0.011 – 0.139 mg/l Daphnia magna
EC50 120h – Algae	>0.14 mg/l Chlorella pyrenoidosa
NOEC 33d- Fish NOEC	0.0046 mg/l Fathead minnow
NOEC 3h -Microorganisms IC50	3.11 mg/l bacteria
White mineral oil	
LL50 96h - Fish	>100 mg/l mg/l (Lepomis macrochirus (Bluegill sunfish)
LL50 48h -Aquatic Invertebrates	>100 mg/l Daphnia magna
EL50 72h - Algae	>100 mg/l (Pseudokirchneriella subcapitata (algae))

Persistence and degradability: Not readily biodegradable

Bioaccumulative potential: Unlikely

Mobility in soil: Koc: 2245 - 24526

Results of PBT and vPvB assessment: Not available

Other adverse effects: Not available

13. DISPOSAL CONSIDERATIONS

Waste treatment methods: Dispose of in accordance with local regulations.

Product / Packaging disposal: Empty containers should be taken to an approved waste handling site for recycling or disposal.

14. TRANSPORTATION INFORMATION

UN-Number
DOT, ADR, ADN, IMDG, IATA, RID: UN3077

UN proper shipping name
DOT, ADR, ADN, IMDG, IATA, RID: 3077 ENVIRONMENTALLY HAZARDOUS SUBSTANCE SOLID, N.O.S (1,3-diphenylguanidine)

Transport hazard class(es)	
DOT, ADR, ADN, IMDG, IATA, RID	9
Packing group	
DOT, ADR, ADN, IMDG, IATA, RID	III
Environmental hazards	Product contains environmentally hazardous substances: 1,3-diphenylguanidine
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	Shipping in package sizes of less than 5 L (liquids) or 5 KG (solids) may lead to a non-regulated classification.
Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	
UN "Model Regulation"	
DOT, ADR, ADN, IMDG, IATA, RID	Not available

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)	CAS 137-26-8 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	Not listed
IARC (International Agency for Research on Cancer)	Not listed
TLV (Threshold Limit Value established by ACGIH)	CAS 137-26-8 Listed
NIOSH-Ca (National Institute for Occupational Safety and Health)	CAS 137-26-8 Listed
OSHA-Ca (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%)	CAS 137-26-8 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.