Safety Data Sheet

Sovchem® DPTT

1. CHEMICAL PRODUCT & COMPANY IDENTIFICATION

Manufacturer Willing New Materials Technology Co., Ltd. Chemical Industry-Intensive Area Puyang, Henan, China 457163	Emergency Contact Chemtrec: 1-800-424-9300 (USA) 1-330-542-8400 (outside USA)
Trade Name(s): Sovchem DPTT, TRA	Chemical Name: Dipentamethylene thiuramhexasulfide
Relevant identified uses of the substance or mixture and uses advised against: No further information available	Application of the substance/the preparation: Used as vulcanization accelerator in rubber goods manufacture.
Issued By: Sovereign Chemical Company (Distributor) 3600 Embassy Parkway, Suite 203 Akron, Ohio 44333	Date of Issue: November 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)	:	Not classifed
Signal Word	:	No signal word
Hazard statements (CLP)	:	No hazards statements
Precautionary statements (CLP)	:	No precautionary statements
Other	:	This substance does not meet the PBT or vPvB criteria of REACH regulation, annex XIII

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance

Chemical Name	CAS No	EC No	Weight %	Classification
Dipentamethylene thiuramhexasulfide	971-15-3	213-537-2	≥ 96	Not classified

4. FIRST AID MEASURES

Description of first aid measures

General advice:	Treat symptomatically.
Inhalation:	Remove person to fresh air and keep comfortable for breathing.
Skin contact:	Wash skin with plenty of water.

Eye contact:	Rinse eyes with water as precaution.
Ingestion:	Do not induce vomiting. Call a poison center or a doctor if you feel well.

Most important symptoms and effects both acute and delayed

Symptom Effects:	No information available.

Indication of any immediate medical attention and special treatment needed

General:	Treat symptomatically.

5. FIRE FIGHTING MEASURES

Extinguishing media

Suitable extinguishing media:	Water spray. Dry powder. Foam.
Unsuitable extinguishing media:	All other extinguishants.

Special hazards arising from the substance or mixture

Thermal decomposition:	Toxic fumes may be released. Thermal decomposition in So_x and NO_x

Special protective equipment and precautions for firefighters

Advice for firefighters:	Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

General:	Ventilate spillage area. Avoid contact with skin, eyes and inhalation of dust. Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

Environmental precautions

General:	Avoid release to the environment. Do not let the product enter into drains. Do not contaminate surface water.

Methods and material for containment and cleaning up

General:	Mechanically recover the product. Sweep up and shovel. Recover the product and place it in a dry labelled container. Dispose of materials or solid residues at an authorized site.

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: Ensure good ventilation of the workstation. Wear personal protective equipment. Avoid the formation or spread of dust in the air. Use non-sparking tools and earth any equipment used in handling. Provide appropriate exhaust and ventilation at machinery where dust can be generated. Provide showers, eyebaths. If dust is formed, wear a dust mask. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

Conditions for safe storage, including any incompatibilities

Storage: Store in a well-ventilated place. Keep cool. Store protected from moisture and heat.

Specific end use(s)

General: Not applicable

8. EXPOSURE CONTROLS - PERSONAL PROTECTION

Control Parameters

Occupational exposure limits: No additional information available.

Derived No Effect Level:

DNEL / DMEL (Workers)	
Long-term - systemic effects, inhalation	49 mg/m³
Long-term - systemic effects, dermal	140 mg/kg bw/day
DNEL / DMEL (General Population)	
Long-term - systemic effects, inhalation	8.7 mg/m³
Long-term - systemic effects, dermal	50 mg/kg bw/day
Long-term - systemic effects, oral	50 mg/kg bw/day

Predicted No Effect Concentration:

PNEC (Soil)	
PNEC Soil	33.3 mg/kg dwt

Exposure controls

Appropriate engineering controls: Ensure good ventilation of the workstation.

Eye/face protection:	Safety glasses
Hand protection:	Protective gloves.
Body protection:	Wear suitable clothing.
Respiratory protection:	In case of insufficient ventilation, wear suitable respiratory equipment. Dust mask
Thermal hazard:	No additional information available.
Environmental exposure controls:	Avoid release to the environment.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form: Solid powder or granule	Melting Point/Melting Range: 121.2°C
Color: Light yellow	Boiling Point/Boiling Range: > 250°C
Odor: Slight	Octanol/Water Partition Coefficient: 4.43 @ 20 °C
Odor threshold: No data available	pH Value: N No data available
Vapor pressure: 0 Pa @ 25°C	Flash point: 278.2 - 328.8°C
Density at 20°C: 0.532	Flammability (solid, gaseous): Not flammable
Relative density: Not applicable	Ignition temperature: Not applicable
Particle characteristics: D50 = 17 µm	Decomposition temperature: No data available
Evaporation rate: No data available	Oxidizing properties: No data available
Solubility in / Miscibility with water: 10.48 µg/L @ 20°C	Explosive properties: No data available
Viscosity Dynamic: Not determined Kinematic: Not determined	Explosion limits Lower: Not applicable Upper: Not applicable

10. STABILITY AND REACTIVITY

Reactivity
The product is non-reactive under normal conditions of use, storage and transport.

Chemical stability
Stable under recommended storage conditions.

Possibility of hazardous reactions
No dangerous reactions known under normal conditions of use.

Conditions to avoid
None under recommended storage and handling conditions.

Incompatible materials
Oxidants, strong acids.

Hazardous decomposition products
Carbon monoxide, sulfur oxides, nitrogen oxides, nitrous gases.

11. TOXICOLOGICAL INFORMATION

Information on toxicological effects

General:	Not classified
Acute toxicity (oral):	LD50 rat: > 2000 mg/kg
Acute toxicity (dermal):	LD50 rat: 2000 mg/kg
Acute toxicity (inhalation):	LC50 rat: > 2.83 mg/L/4hrs
Skin corrosion/irritation:	Not classified
Serious eye damage/irritation:	Not classified
Respiratory or skin sensitization:	Not classified
Germ cell mutagenicity:	Not classified
Carcinogenicity:	Not classified
Reproductive toxicity:	Not classified
STOT single exposure:	Not classified
STOT multiple exposure:	Not classified
Aspiration hazard:	Not classified

Other information:	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

12. ECOLOGICAL INFORMATION

Toxicity

General:	The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.
Acute (short-term) toxicity:	LC50(96h, Fish): ≥10 mg/L
Acute (short-term) toxicity:	EC50(72h, Algae/aquatic plants): > 100 mg/l Pseudokirchneriella subcapitata

Persistence and degradability

Information:	Not readily biodegradability. 0% in 28 days

Bioaccumulation potential

Log PoW:	4.43 @ 20°C

Mobility in soil

Log Koc	5.54

Results of PBT and vPVB assessment

Information:	This substance/mixture does not meet the PBT/vPvB criteria.

Other adverse effects

Information:	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

13. DISPOSAL CONSIDERATIONS

Waste treatment methods

Waste from residues/unused products:	Dispose of contents/container in accordance with licensed collector's sorting instructions.
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	Not regulated
UN proper shipping name	
DOT, ADR, ADN, IMDG, IATA, RID	Not regulated
Transport hazard class(es)	
DOT, ADR, ADN, IMDG, IATA, RID	Not regulated
Packing group	
DOT, ADR, ADN, IMDG, IATA, RID	Not regulated
Environmental hazards	Not regulated
Special precautions for user	Not regulated
Transport in bulk according to Annex II: of MARPOL and the IMO instruments	Not regulated

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.