

HT918

1. CHEMICAL PRODUCT & COMPANY IDENTIFICATION

Manufacturer Shandong Yanggu Huatai Chemical Co., Ltd. No.217,Qinghexi Road, Yanggu County Shandong Province, China 252300	Emergency Contact Chemtrec: 1-800-424-9300 (USA) (1)330-542-8400 (outside USA)
Trade Name(s): HT918 Oiled Powder	Chemical Name: 1,6-Bis(N,N dibenzylthiocarbamoyldithio)-hexane
Relevant identified uses of the substance or mixture and uses advised against: Not available	Application of the substance/the preparation: Vulcanizing agent but also has the effect of anti- reversion agent.
Issued By: Sovereign Chemical Company (Distributor) 4040 Embassy Parkway, Suite 190 Akron, Ohio 44333	Date of Issue: April 1, 2025

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)	: No pictogram
Signal Word	: No signal word
Hazard statements (CLP)	: H413 - May cause long lasting harmful effects to aquatic life, Category 4
Precautionary statements (CLP)	: P273 - Avoid release to the environment. P501- Dispose of contents/container to proper container.
Other Hazard	: No additional information is available.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Mixture

Chemical Name	CAS No	EC No	Weight %	Classification
1,6-bis ((dibenzylthiocarbamoyl)disulfanyl)- hexane	151900-44-6	429-280-6	84-90	H413 - May cause long lasting harmful effects to aquatic life, Category 4
Silica	10279-57-9	600-358-3	2.4-4.4	
Oil	64742-52-5	265-155-0	5	

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:	Move exposed person to fresh air. Keep person warm and rest. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous for the person providing aid to give mouth-to-mouth resuscitation. Get medical attention if adverse health effects persist or are severe. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
First-aid measures after skin contact:	Wash contaminated skin with soap and water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. Wash clothing before reuse. Clean shoes thoroughly before reuse.
First-aid measures after eye contact:	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention if irritation occurs.
First-aid measures after ingestion:	Wash out mouth with water. Move exposed person to fresh air. Keep person warm and rest. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention if adverse health effects persist or are severe. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

Most important symptoms and effects, both acute and delayed

General: The product is not classified as harmful to human health effect.

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: Water spray (fog), foam, dry chemical or CO₂.

Unsuitable extinguishing agents: Not available.

Special hazards arising from the substance or mixture

General: Decomposition products may include the following materials: carbon oxides, nitrogen oxides, sulfur oxides.

Advice for firefighters

General: Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure

mode.

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

Non-emergency: No action shall be taken involving any personal risk or without suitable training. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Avoid breathing dust. Provide adequate ventilation. Put on appropriate personal protective equipment (see section 8).

Emergency: Wear an appropriate NIOSH/MSHA approved respirator if dust is generated.

Environmental precautions

General: Avoid dispersal of spilt 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). May cause long-term adverse effects in the aquatic environment.

Methods and material for containment and cleaning up

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. Avoid creating dusty conditions and prevent wind dispersal. Dispose of via a licensed waste disposal contractor. Note: see section 1 for emergency contact information and section 13 for waste disposal.

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

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

General: Put on appropriate personal protective equipment (see section 8). Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Do not breathe dust. Do not ingest. Avoid contact with eyes, skin and clothing. 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 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

Storage: Do not store above the following temperature: 25°C (77°F). Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool 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. Shelf life 18months.

Specific end use(s)

General: Not applicable

8. EXPOSURE CONTROLS - PERSONAL PROTECTION

Control Parameters

Occupational exposure limits: Not available

DNEL /DMEL and PNEC Values

Workers - Hazard via inhalation route	Systemic effects-Long term exposure	DNEL=23.5 mg/m ³
Workers - Hazard via inhalation route	Systemic effects-Acute exposure	DNEL=188 mg/m ³
Workers - Hazard via dermal route	Systemic effects-Long term exposure	DNEL=3.3 mg/kg bw/day
Workers - Hazard via dermal route	Systemic effects-Acute exposure	DNEL=27 mg/kg bw/day
General Population - Hazard via inhalation route	Systemic effects-Long term exposure	DNEL=5.8 mg/m ³
General Population - Hazard via dermal route	Systemic effects-Long term exposure	DNEL=1.7 mg/kg bw/day
General Population - Hazard via oral route	Systemic effects-Long term exposure	DNEL=1.7 mg/kg bw/day

Exposure controls

Appropriate engineering controls: Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.

Eye/face protection: Safety glasses with side-shields.

Hand protection: Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. After contamination with product change the gloves immediately and dispose of them according to relevant national and local regulations <1 hours (breakthrough time): Polyvinyl chloride - PVC, Nitrile rubber - NBR, Polychloroprene – CR.

Body protection: Wear protective clothing.

Respiratory protection: Dust-protection mask.

Thermal hazard: Wear suitable protective clothing to prevent heat.

Environmental exposure controls: Avoid discharge into the environment.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Form: Powder	Melting Point/Range: 90-100°C
Color: Light yellow to white	Boiling point/Range: Not available
Odor: Not available	Vapor density: Not available
Odor threshold: Not available	pH value: Not available
Vapor Pressure 3.9E -20hPa	Flash point: Not available
Density: 1.25 g/cm ³	Flammability: Not available
Bulk Density: Not available	Ignition temperature: Not available
Auto ignition temperature: ≥420°C	Decomposition temperature: > 145°C <400°C
Solubility in / Miscibility with water: < 0.05mg/L (20°C)	Oxidizing properties: Not available
Partition coefficient (n-octanol/water): log Pow= 10.4 (20°C)	Evaporation rate: Not available
Viscosity Dynamic: Not available Kinematic: Not available	Explosion limits Lower: Not available Upper: Not available

10. STABILITY AND REACTIVITY

Reactivity

The substance is stable under normal storage and handling conditions.

Chemical stability

Stable at room temperature in closed containers under normal storage and handling conditions.

Possibility of hazardous reactions

No dangerous reactions known.

Conditions to avoid

Incompatible materials. Take precautionary measures against static discharges

Incompatible materials

Strong oxidizing agents.

Hazardous decomposition products

Carbon oxides, nitrogen oxides, sulfur oxides.

11. TOXICOLOGICAL INFORMATION*Information on toxicological effects*

Acute toxicity (oral, rat):	LD50 > 2,000 mg/kg bw
Acute toxicity (dermal, rabbit):	LD50 > 2,000 mg/kg bw
Acute toxicity (inhalation, rat):	Not available
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

12. ECOLOGICAL INFORMATION*Toxicity**Toxicity*

Acute (short-term) toxicity:	LC50(96h, Fish): Not available
Acute (short-term) toxicity:	EC50(48h, Daphnia magna): Not available
Acute (short-term) toxicity:	EC50(72h, Algae/aquatic plants): Not available

Persistence and degradability

Information: Under test conditions no biodegradation observed.

Bioaccumulation potential

Information: Not available

Mobility in soil

Information: log Koc: ≥ 4.98 - ≤ 8.45

Results of PBT and vPvB assessment

Information: The substance is not PBT / vPvB.

Other adverse effects

Information: May cause long lasting harmful effects to aquatic life.

13. DISPOSAL CONSIDERATIONS

Waste treatment methods

Methods: The material should be disposed of by incineration in a chemical incinerator in compliance with national and regional requirements.

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
 Marine pollutant No

Special precautions for user Not available

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

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)	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 and NDSL)	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.