


# Huatai Insoluble Sulfur

1. CHEMICAL PRODUCT & COMPANY IDENTIFICATION	
Manufacturer Shandong Yanggu Huatai Chemical Co., Ltd No. 399, Qinghexi Road, Yanggu County Shandong Province, China	Emergency Contact Chemtrec: 1-800-424-9300 (USA) (1)330-542-8400 (outside USA)
Trade Name(s): Huatai HD OT 20, HS OT 20	Chemical Name: Insoluble Sulfur
Relevant identified uses of the substance or mixture and uses advised against: No further relevant information available.	Application of the substance/the preparation: Rubber vulcanization agent
Issued By: Sovereign Chemical Company  According to 1907/2006/EC (REACH), 1272/2008/EC (CLP), and GHS	Date of Issue: December 1, 2024

2. HAZARDS IDENTIFICATION
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*Classification of the substance or mixture*

Information in accordance with US 29 CFR 1910.1200 (Hazcom 2012) and Regulation (EC) No 1272/2008

- |                                |   |   |       |
|--------------------------------|---|---|-------|
| Hazard Pictograms (CLP)        | : |    | GHS07 |
| Signal Word                    | : | Warning   |       |
| Hazard statements (CLP)        | : | H315 - Causes skin irritation, Category 2<br>H319 - Causes serious eye irritation, Category 2   |       |
| Precautionary statements (CLP) | : | P264 – Wash hands thoroughly after handling<br>P280 - Wear protective clothing, eye protection, face protection, protective gloves<br>P302+P352 - IF ON SKIN: Wash with plenty of soap and water<br>P321 – Specific treatment (see supplemental first aid instructions on this label)<br>P332 + P313 - IF SKIN irritation occurs: Get medical advice/attention<br>P362 - Take off contaminated clothing and wash before reuse<br>P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing<br>P337 + P313 - IF eye irritation persists: Get medical advice/attention |       |
| Other Hazard                   | : | No information available  |       |

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Mixture

Chemical Name	CAS No	EC No	Weight %	Classification
Sulfur, homopolymer	9035-99-8	618-540-6	80	H315 - Causes skin irritation, Category 2 H319 - Causes serious eye irritation, Category 2
Distillates, petroleum, hydrotreated heavy naphthenic	64742-52-5	265-155-0	20	

### 4. FIRST AID MEASURES

*Description of first aid measures*

- First-aid measures after inhalation: Remove person to fresh air and keep comfortable for breathing. Apply artificial respiration if breathing stopped. Call a poison center/doctor/physician if you feel unwell.
- First-aid measures after skin contact: Wash skin with plenty of water. If skin irritation occurs: Get medical advice/attention.
- First-aid measures after eye contact: Rinse eyes with water as a precaution. If eye irritation persists: Get medical advice/attention.
- First-aid measures after ingestion: Rinse mouth. Do NOT induce vomiting. Call a poison center/doctor/physician if you feel unwell.

*Most important symptoms and effects, both acute and delayed*

- Symptoms/effects after inhalation: Dust of the product, if present, may cause respiratory irritation after an excessive inhalation exposure. Although no appropriate human or animal health effects data are known to exist, this material is expected to be an inhalation hazard.
- Symptoms/effects after skin contact: None under normal conditions. Dust may cause irritation in skin folds or by contact in combination with tight clothing.
- Symptoms/effects after eye contact: None under normal conditions. Dust from this product may cause eye irritation.
- Symptoms/effects after ingestion: None under normal conditions.

*Indication of any immediate medical attention and special treatment needed*

General : Treat symptomatically

**5. FIRE FIGHTING MEASURES***Extinguishing media*

Suitable extinguishing agents: Water spray, dry chemical, alcohol resistant foam.

Unsuitable extinguishing agents: No additional information available.

*Special hazards arising from the substance or mixture*

Fire: No fire hazard.

Explosion: No direct explosion hazard.

Decomposition products in case of fire: Toxic fumes may be released, such as: carbon oxides, sulfur oxides.

*Advice for firefighters*

Instructions: Fight fire from a safe distance and protected location. Do not enter the fire area without proper protective equipment, including respiratory protection.

Protection: 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: Notify authorities if product enters sewers or public waters. Absorb spillage to prevent material damage.

Non-emergency personnel: Wear recommended personal protective equipment. Ventilate spillage area. Avoid contact with skin and eyes. Avoid dust formation. Avoid breathing dust.

Emergency personnel: Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection". Evacuate unnecessary personnel.

*Environmental precautions*

General: Avoid release to the environment.

*Methods and material for containment and cleaning up*

Containment: Using a clean shovel, put the material in a dry container and cover without compressing it. Dispose of via a licensed waste disposal

contractor. Note: see section 1 for emergency contact information and section 13 for waste disposal

Cleaning: Take up mechanically (sweeping, shoveling) and collect in suitable container for disposal.

Other information: Dispose of materials or solid residues at an authorized site.

*Reference to other sections*

General: For further information refer to section 13.

## 7. HANDLING AND STORAGE

*Precautions for safe handling*

Additional hazards : Not expected to present a significant hazard under anticipated conditions of normal use.

Safe handling: Ensure good ventilation of the workstation. Avoid contact with skin and eyes. Wear personal protective equipment. Avoid dust formation. Avoid breathing dust.

Hygiene measure: Contaminated work clothing should not be allowed out of the workplace. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

*Conditions for safe storage, including any incompatibilities*

Technical measures: Keep in a cool, well-ventilated place away from heat.

Storage: Keep cool. Protect from sunlight. Keep the container tightly closed.

Incompatible materials: Strong oxidizing agents.

Storage temperature: No information available.

Packaging materials: Store always product in container of the same material as original container.

## 8. EXPOSURE CONTROLS - PERSONAL PROTECTION

*Control parameters*

General: No information available

*Engineering controls*

Appropriate engineering controls: Ensure good ventilation of the workstation.

Environmental exposure controls: Avoid release to the environment

Eye/face protection: Safety glasses.

Hand protection: Protective gloves.

Body protection: Wear suitable protective clothing.

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

**9. PHYSICAL AND CHEMICAL PROPERTIES**

*Information on basic physical and chemical properties*

Form: Sold powder	Melting Point/Range: No data available
Color: Yellow	Boiling point/Range: 360 °C (Estimated value)
Odor: No data available	Vapor density: No data available
Odor threshold: No data available	pH value: No data available
Vapor Pressure: < 0.1 hPa (CAS# 64742-52-5)	Flash point: 98 - 344 °C (ca. 101.325 kPa, CAS# 64742-52-5)
Density: 0.8749 g/cm <sup>3</sup>	Flammability: Non-flammable
Relative density: 0.8749 (Estimated value)	Ignition temperature: Not available
Auto ignition temperature: 260 °C (Estimated value)	Decomposition temperature: No data available
Solubility in / Miscibility with water: No data available	Oxidizing properties: Non oxidizing
Partition coefficient (n-octanol/water): Log Pow: No data available	Evaporation rate: Not data available
Viscosity Dynamic: No data available Kinematic: 1.99 - 847 mm <sup>2</sup> /s (40 °C, CAS# 64742-52-5)	Explosion limits Lower: Not explosive Upper: Not explosive

**10. STABILITY AND REACTIVITY***Reactivity*

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

*Chemical stability*

Stable under normal conditions.

*Possibility of hazardous reactions*

No dangerous reactions known under normal conditions of use.

*Conditions to avoid*

Incompatible materials.

*Incompatible materials*

Strong oxidizing agents.

*Hazardous decomposition products*

Carbon oxides, sulfur oxides.

**11. TOXICOLOGICAL INFORMATION***Information on toxicological effects*

Acute toxicity (oral): Not classified

Acute toxicity (dermal): Not classified

Acute toxicity (inhalation): Not classified

*Sulfur, homopolymer CAS: 9035-99-8*

LD50 oral: >4000 mg/kg

LD50 dermal: >2000 mg/kg

*Distillates, petroleum, hydrotreated heavy naphthenic CAS: 64742-52-5*

LD50 oral rat: >5000 mg/kg

LD50 dermal rabbit: >5000 mg/kg

LC50 inhalation – Rat >5.53 mg/L/4hr

*Other information*

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
Symptoms effects after inhalation:	Dust of the product, if present, may cause respiratory irritation after an excessive inhalation exposure. Although no appropriate human or animal health effects data are known to exist, this material is expected to be an inhalation hazard.
Symptoms effects after skin contact:	None under normal conditions. Dust may cause irritation in skin folds or by contact in combination with tight clothing.
Symptoms effects after eye contact:	None under normal conditions. Dust from this product may cause eye irritation.
Symptoms effect after ingestion:	None under normal conditions.

**12. ECOLOGICAL INFORMATION**

*Toxicity*

General: The product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment.

*Sulfur, homopolymer CAS: 9035-99-8*

LC50 Fish: >1000 mg/L

EC50 Crustacea: >1000 mg/L

*Distillates, petroleum, hydrotreated heavy naphthenic CAS: 64742-52-5*

LC50 Fish : >5000 mg/L/96hr(Oncorhynchus mykiss)

LC50 Fish: >1000 mg/L

EC50 Crustacea >1000 mg/L/48hr (Daphina magna)

*Persistence and degradability*

Information: No additional information

*Bioaccumulation potential*

Distillates petroleum, hydrotreated heavy naphthenic CAS 64742-52-5

BCF Fish: &lt;500

*Mobility in soil*

Information: No additional information

*Other adverse effects*

Information: No additional information

**13. DISPOSAL CONSIDERATIONS**
*Waste treatment methods*

Regional waste regulation: Disposal must be done according to official regulations.

Waste treatment methods: Dispose of contents/container in accordance with licensed collector's sorting instructions.

Sewage disposal recommendations: Disposal must be done according to official regulations.

Product/Packaging disposal: Comply with applicable regulations for solid waste disposal. Disposal must be done according to official regulations.

Additional information: Do not re-use empty containers.

**14. TRANSPORTATION INFORMATION**

## UN-Number

DOT, ADR, ADN, IMDG, IATA Not regulated.

## UN proper shipping name

DOT, ADR, ADN, IMDG, IATA Not regulated.

## Transport hazard class(es)

DOT, ADR, ADN, IMDG, IATA Class Not regulated.

## Packing group

DOT, ADR, IMDG, IATA Not regulated.

## Environmental hazards

Marine pollutant No





**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.