

Retarder V. E/C

1. CHEMICAL PRODUCT & COMPANY IDENTIFICATION	
Manufacturer: Shandong Yanggu Huatai Chemical Co., LTD No.217, Qinghexi Road Yanggu County, Shandong, China 252300	Emergency Contact: Chemtrec:1-800-424-9300 (USA) (1)330-542-8400 (outside USA)
Trade Name(s): Retarder V. E/C	Chemical Name: N-Phenyl-N-[(trichloromethyl)thio]benzenesulfonamide
Relevant identified uses of the substance or mixture and uses advised against: None determined.	Application of the substance/the preparation: Rubber retarder.
Issued By: Sovereign Chemical Company According to 1907/2006/EC (REACH), 1272/2008/EC (CLP), and GHS	Date of Issue: November 1, 2021

2. HAZARDS IDENTIFICATION

Classification of the substance or mixture
 Information in accordance with US 29 CFR 1910.1200 (Hazcom 2012) and Regulation (EC) No 1272/2008

Physical hazards: Not classified
 Health hazards: Sensitization, skin Category 1A
 Environmental hazards: Not classified

GHS label elements, including precautionary statements:

Hazard Pictograms:



Signal word: Warning

Hazard statement: May cause an allergic skin reaction

Prevention: Avoid breathing dust/fume/gas/mist/vapors/spray. Contaminated work clothing should not be allowed out of the workplace. Wear protective gloves.

Response: IF ON SKIN: Wash with plenty of water. If skin irritation or rash occurs: Get medical advice/attention. Take off contaminated clothing and wash it before reuse.

Storage: Not applicable

Disposal: Dispose of contents/container in accordance with local regulation.

Other hazards which do not result in classification: Not applicable

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance/Mixture: Mixture

CAS: 2280-49-1 EINECS: 218-915-3	N-Phenyl-N-[(trichloromethyl)thio]benzenesulfonamide	≥90%
CAS: 471-34-1 EINECS: 207-439-9	Calcium carbonate	≤6%
CAS: 64742-54-7 EINECS: 265-157-1	Mineral oil	≤2%

Description of first aid measures: In all cases of doubt, or when symptoms persist, seek medical attention.

In case of inhalation: Remove from exposure and move to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid.

In case of skin contact: Flush skin with plenty of soap and water for at least 15 minutes while removing contaminated clothing and shoes. Get medical aid if irritation develops or persists.

In case of eye contact: Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid if irritation persists.

In case of ingestion: Rinse mouth and drink plenty of water. Do not induce vomiting. Get medical aid.

Most important symptoms and effects, both acute and delayed: May cause an allergic skin reaction.

Indication of any immediate medical attention and special treatment needed If skin irritation or rash occurs, get medical advice/attention.

5. FIRE FIGHTING MEASURES

Extinguishing media

Suitable extinguishing media: Water fog. Foam. Dry chemical powder. Carbon dioxide (CO₂). Apply extinguishing media carefully to avoid creating airborne dust.

Unsuitable extinguishing media: Do not use water jet as an extinguisher, as this will spread the fire.

Special hazards arising from the substance or mixture:

Explosion hazard: 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. During fire, gases hazardous to health may be formed.

Advice for fire-fighters: Self-contained breathing apparatus and full protective clothing must be worn in case of fire. In case of fire and/or explosion do not breathe fumes. Move containers from fire area if you can do so without risk. Use standard firefighting procedures and consider the hazards of other involved materials.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

For non-emergency personnel: Use only non-sparking tools. Keep unnecessary personnel away. Dust deposits should not be allowed to accumulate on surfaces, as these may form an explosive mixture if they are released into the atmosphere in sufficient concentration. Wear appropriate protective equipment and clothing during clean-up. Avoid inhalation of dust. Use a NIOSH/MSHA approved respirator if there is a risk of exposure to dust/fume at levels exceeding the exposure limits. Ensure adequate ventilation. For personal protection, see section 8 of the SDS.

For emergency responders: Wear an appropriate NIOSH/MSHA approved respirator if dust is generated.

Environmental Precautions: Avoid discharge into drains, water courses or onto the ground.

Methods for Containment and Cleaning up: Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Take precautionary measures against static discharge. Use only non-sparking tools. Avoid dispersal of dust in the air (i.e., clearing dust surfaces with compressed air). Avoid dust formation. Avoid the generation of dusts during clean-up. Sweep up or vacuum up spillage and collect in suitable container for disposal. For waste disposal, see section 13 of the SDS.

7. HANDLING AND STORAGE

Precautions for safe handling

Keep formation of airborne dusts to a minimum. Minimize dust generation and accumulation. Avoid significant deposits of material, especially on horizontal surfaces, which may become airborne and form combustible dust clouds and may contribute to secondary explosions. Routine housekeeping should be instituted to ensure that dusts do not accumulate on surfaces. Dry powders can build static electricity charges when subjected to the friction of transfer and mixing operations. Provide adequate precautions, such as electrical grounding and bonding, or inert atmospheres. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Explosion-proof general and local exhaust ventilation. Provide appropriate exhaust ventilation at places where dust is formed. Provide adequate ventilation. Avoid breathing dust/fume/gas/mist/vapors/spray. Avoid breathing dust. Avoid contact with eyes, skin, and clothing. Avoid prolonged exposure. Wear appropriate personal protective equipment. Observe good industrial hygiene practices. Practice good housekeeping.

Conditions for safe storage, including any incompatibilities: Store in original tightly closed container. Keep containers tightly closed in a dry, cool and well-ventilated place. Store away from incompatible materials (see Section 10 of the SDS).

8. EXPOSURE CONTROLS - PERSONAL PROTECTION

Control parameters: Calcium carbonate (CAS#471-34-1): TWA: 10 mg.m⁻³ (France)

Appropriate engineering controls: Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use adequate ventilation to keep airborne concentrations low.

Individual protection measures, such as personal protective equipment:

Eye/face protection: Wear safety glasses with side shields (or goggles).

Skin protection: For prolonged or repeated skin contact use suitable protective gloves. Wear appropriate chemical resistant gloves. Suitable gloves can be recommended by the glove supplier. Wear appropriate chemical resistant clothing. Wear suitable protective clothing. Use of an impervious apron is recommended.

Respiratory protection: Use a NIOSH/MSHA approved respirator if there is a risk of exposure to dust/fume at levels exceeding the exposure limits.

Thermal hazards: Wear suitable protective clothing to prevent heat.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance Form: Powder. Color: White to beige.	Change in Condition Melting Point/Melting Range: 110 °C Boiling Point/Boiling Range: Not available.
Odor: Characteristic.	Octanol/Water Partition Coefficient: Not determined.
Odor threshold: Not determined	Solvent Content: Organic solvents: Not determined
pH: 8.9	Solids content: Not determined
Vapor Pressure: Not applicable	Flash point: Not applicable
Density at 20 °C: Not applicable.	Flammability (solid, gaseous): Not determined.
Relative density: 1.68	Ignition temperature: Not determined
Vapor Density: Not applicable	Decomposition temperature: Not determined
Evaporation rate Not applicable	Self-igniting: Not determined.
Solubility in / Miscibility with water at 20 °C: Insoluble in cold water.	Danger of explosion: Product does not present an explosion hazard.
Viscosity Dynamic: Not applicable Kinematic: Not applicable	Explosion limits Lower: Not determined. Upper: Not determined

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. Keep away from heat, sparks and open flame. Minimize dust generation and accumulation.

Incompatible materials: Strong oxidizing agents. Fluorine. Hydrogen.

Hazardous decomposition products: During fire, gases hazardous to health may be formed.

11. TOXICOLOGICAL INFORMATION

Acute toxicity:

LD50(Oral, Rat): Not available.

LD50(Dermal, Rabbit): Not available.

LC50(Inhalation, Rat): Not available.

Skin corrosion/Irritation: Not classified

Serious eye damage/irritation: Not classified

Respiratory or skin sensitization: May cause an allergic skin reaction.

Germ cell mutagenicity: Not classified

Carcinogenicity: Not classified

Reproductive toxicity: Not classified

STOT- single exposure: Not classified

STOT-repeated exposure: Not classified

Aspiration hazard: Not classified

12. ECOLOGICAL INFORMATION

Toxicity

N-Phenyl-N-[(trichloromethyl)thio]benzenesulfonamide (CAS# 2280-49-1)

Acute Toxicity	Time	Species	Method
LC50	96h	Fish	OECD 203
EC50 >100 mg/L	48h	Daphnia	OECD 202
ErC50 >100 mg/L	72h	Algae	OECD 201

Persistence and degradability: Not available.

Bioaccumulative potential: Not available.

Mobility in soil: Not available.

Other adverse effects: Not available.

13. DISPOSAL CONSIDERATIONS

Disposal Methods: Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied.

14. TRANSPORTATION INFORMATION

- 14.1 UN-Number
DOT, ADR, ADN, IMDG, IATA Not regulated.

- 14.2 UN proper shipping name
DOT, ADR, ADN, IMDG, IATA Not regulated.

- 14.3 Transport hazard class(es)
DOT, ADR, ADN, IMDG, IATA Class Not regulated.

- 14.4 Packing group
DOT, ADR, IMDG, IATA Not regulated.

- 14.5 Environmental hazards
Marine pollutant No

- 14.6 Special precautions for user Not applicable

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

15. REGULATORY INFORMATION

The ingredients of this product are reported in the following inventories:

SARA Section 355 (extremely hazardous substances)	None of the ingredients is listed.
SARA Section 313 (Specific toxic chemical listings)	None of the ingredients is listed
TSCA (Toxic Substances Control Act)	Listed.
Proposition 65 (California)	
Chemicals known to cause cancer	None of the ingredients is listed
Chemicals known to cause reproductive toxicity for females	None of the ingredients is listed
Chemicals known to cause reproductive toxicity for males	None of the ingredients is listed.
Chemicals known to cause developmental toxicity	None of the ingredients is listed
Carcinogenic Categories	

EPA (Environmental Protection Agency)	None of the ingredients is listed
IARC (International Agency for Research on Cancer)	None of the ingredients is listed
TLV (Threshold Limit Value established by ACGIH)	None of the ingredients is listed
NIOSH-Ca (National Institute for Occupational Safety and Health)	None of the ingredients is listed
OSHA-Ca (Occupational Safety & Health Administration)	None of the ingredients is listed
Canada	
Canadian Domestic Substances List (DSL)	Listed.
Canadian Ingredient Disclosure list (limit 0.1%)	None of the ingredients is listed.
Canadian Ingredient Disclosure list (limit 1%)	None of the ingredients is listed

15.2 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.

Abbreviations and acronyms:

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

GHS: Globally Harmonized System of Classification and Labeling of Chemicals

ACGIH: American Conference of Governmental Industrial Hygienists

EINECS: European Inventory of Existing Commercial Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

NFPA: National Fire Protection Association (USA)

DNEL: Derived No-Effect Level (REACH)

PNEC: Predicted No-Effect Concentration (REACH)