



Sovchem® TBBS

1. CHEMICAL PRODUCT & COMPANY IDENTIFICATION	
Manufacturer Sovereign Chemical Company 4040 Embassy Parkway, Suite 190 Akron, OH 44333	Emergency Contact Chemtrec: 1-800-424-9300 (USA) (1)330-542-8400 (outside USA)
Trade Name(s): Sovchem® TBBS Granule, Oiled Powder, Powder	Chemical Name N-tert-butylbenzothiazole-2-sulfenamide
Relevant identified uses of the substance or mixture and uses advised against: No further relevant information available.	Application of the substance/the preparation: Rubber compounding
Issued By: Sovereign Chemical Company 4040 Embassy Parkway, Suite 190 Akron, Ohio 44333	Date of Issue: May1, 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,  GHS09
Signal Word	: Warning
Hazard statements (CLP)	: H317 – May cause an allergic skin reaction, Category 1 H400 - Very toxic to aquatic life, Category 1 H410 - Very toxic to aquatic life with long lasting effects, Category 1
Precautionary statements (CLP)	: P261 – Avoid breathing dust/fume/gas/mist/vapors/spray P272 - Contaminated work clothing should not be allowed out of the workplace P280 - Wear protective clothing, eye protection, face protection, protective gloves P302+P352 - IF ON SKIN: Wash with plenty of soap and water P321 – Specific treatment (see supplemental first aid instructions on this label) P333+ P313 - If skin irritation or rash occurs: Get medical advice/attention P501 - Dispose of contents/ container to an approved waste disposal plant P363 - Wash contaminated clothing before reuse P273 - Avoid release to the environment P391 - Collect spillage. Hazardous to the aquatic environment
Other Hazard	: Not applicable

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance

Chemical Name	CAS No	EC No	Weight %	Classification
N-tert-butylbenzothiazole-2-sulfenamide	95-31-8	202-409-1	≥ 98	H317 – May cause an allergic skin reaction, Category 1 H400 - Very toxic to aquatic life, Category 1 H410 - Very toxic to aquatic life with long lasting effects, Category 1

4. FIRST AID MEASURES

Description of first aid measures

First-aid measures general:

If you feel unwell, seek medical advice.

First-aid measures after inhalation:

Remove person to fresh air and keep comfortable for breathing. In case of irregular breathing or respiratory arrest provide artificial respiration. Do not apply mouth-to-mouth resuscitation. If unconscious, place in the recovery position and seek medical advice. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

First-aid measures after skin contact:

Wash skin with plenty of water. Take off contaminated clothing. If skin irritation or rash occurs: Get medical advice/attention.

First-aid measures after eye contact:

Immediately flush eyes thoroughly with water for at least 15 minutes. Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Get medical attention if symptoms occur. Rinse eyes with water as a precaution.

First-aid measures after ingestion:

Rinse mouth out with water. If the person is fully conscious, make him/her drink water. Never give an unconscious person anything to drink. 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. Call a poison center/doctor/physician if you feel unwell.

Most important symptoms and effects, both acute and delayed

General:

None under normal conditions. Dust of the product, if present, may cause respiratory irritation after an excessive

inhalation exposure. May cause an allergic skin reaction.
Dust from this product may cause eye irritation.

Indication of any immediate medical attention and special treatment needed

General: Treat symptomatically.

5. FIRE FIGHTING MEASURES

Extinguishing media

Suitable extinguishing agents: Carbon dioxide. Water spray. Dry powder. Foam.

Unsuitable extinguishing agents: Do not use a water jet since it may cause the fire to spread.

Special hazards arising from the substance or mixture

General: No fire hazard. No direct explosion hazard. Toxic fumes may be released. On combustion, forms: carbon oxides (CO and CO₂). Nitrogen oxides. Sulfur oxides (SO_x).

Advice for firefighters

General: Fight fire from safe distance and protected location. Do not enter fire area without proper protective equipment, including respiratory 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 measures: 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 breathing dust/fume/gas/mist/vapors/spray.

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

Environmental precautions

General precautions: Evacuate unnecessary personnel. Avoid release to the environment.

Methods and material for containment and cleaning up

General methods and materials: Collect spillage. Mechanically recover the product.
Dispose of materials of solid residues at an authorized site.

Reference to other sections

Sections: See Section 7 for more information
See section 8 for more information
See section 13 for more information

7. HANDLING AND STORAGE*Precautions for safe handling*

General: Ensure good ventilation of the work station. Avoid contact with skin and eyes. Avoid breathing dust/fume/gas/mist/vapors/spray. Wear personal protective equipment. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product. Not expected to present a significant hazard under anticipated conditions of normal use

Conditions for safe storage, including any incompatibilities

General: Keep in a cool, well-ventilated place away from heat. Keep container tightly closed and dry. Keep away from heat and direct sunlight. Containers which are open should be properly resealed and kept upright to prevent leakage. do not store in unlabeled containers. Take action to prevent static discharges.

Specific end use(s)

General: No other information available.

8. EXPOSURE CONTROLS - PERSONAL PROTECTION*Control Parameters*

General: No additional information available.

Exposure controls

Engineering controls: Ensure good ventilation of the workstation.

Personal protective equipment: Wear recommended personal protective equipment.

Eye protection:	Safety glasses.
Hand protection:	Protective gloves. Nitrile rubber - NBR , Polyvinyl chloride - PVC , Polychloroprene – CR.
Respiratory protection:	In case of insufficient ventilation, wear suitable respiratory equipment.
Thermal hazard:	No additional information available.
Environmental exposure controls:	Avoid release to the environment.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Form: Solid powder or granules	Melting Point/Range: ≥105 °C
Color: White to light yellow	Boiling Point/Range: No data available
Odor: Faint tertbutyl amine	Odor threshold: Not determined
pH: Not determined	Flash point: Not applicable
Vapor Pressure: < 0.0000021 hPa (25 °C)	Flammability: Not flammable
Density at 20 °C: 1.29 g/cm ³	Ignition temperature: Not applicable
Relative density: Not applicable	Decomposition temperature: 207°C
Solubility: Water: 1.74 mg/l	Partition coefficient (n-octanol/water): 3.36 at 25°C
Oxidizing properties: Not determined	Explosion limits: Lower: Not applicable Upper: Not applicable

Other information: No further relevant information available.

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. Product of hydrolysis: tert-butylamine.

Incompatible materials: Strong oxidizing agents.

Hazardous decomposition products: Carbon oxides, nitrogen oxides, sulfur oxides.

11. TOXICOLOGICAL INFORMATION

Information on toxicological effects

Acute toxicity: Not classified

N-t-Butylbenzothiazole-2-sulfenamide (95-31-8)	
LD50 oral rat	> 6310 mg/kg body weight
LD50 dermal rabbit	> 7940 mg/kg body weight

Skin corrosion/irritation: Not classified

Serious eye damage: Not classified

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 multiple exposure: Not classified

Aspiration hazard: Not classified

Endocrine disrupting properties: Not applicable

Other information: No information available

12. ECOLOGICAL INFORMATION

Toxicity

Not classified.

N-t-Butylbenzothiazole-2-sulfenamide (95-31-8)	
LC50 96h - Fish	1.38 mg/l
EC50 48h - Crustacea	1.31 mg/l
EC50 72h - Algae	0.071 mg/l
NOEC- Chronic Fish	0.041 mg/l
NOEC- Chronic Crustacea	0.068 mg/l
NOEC- Chronic Algae	0.023 mg/l

Persistence and degradability
The product is not biodegradable.

Bioaccumulative potential
No bioaccumulation potential.

N-t-Butylbenzothiazole-2-sulfenamide (95-31-8)	
Bioconcentration factor (BCF)	< 0.8
Partition coefficient n-octanol/water(Log Pow)	3.36 (25 °C)

Mobility in soil

N-t-Butylbenzothiazole-2-sulfenamide (95-31-8)	
Log Koc	2.51-3.55

Results of PBT and vPvB assessment
No information available.

Endocrine disrupting properties
No information available.

Other adverse effects
No information available.

13. DISPOSAL CONSIDERATIONS

Waste treatment methods

Waste from residues/unused products: Disposal should be in accordance with applicable regional, national and local laws and regulations.

Contaminated packaging: Disposal should be in accordance with applicable regional, national and local laws and regulations.

14. TRANSPORTATION INFORMATION

UN-Number	
DOT	N/A
ADR, ADN, IMDG, IATA, RID	UN3077

UN proper shipping name	
DOT	N/A
ADR, ADN, IMDG, IATA, RID	3077 ENVIRONMENTALLY HAZARDOUS SUBSTANCE SOLID, N.O.S (N-t-Butylbenzothiazole-2-sulfenamide)
Transport hazard class(es)	
DOT	N/A
ADR, ADN, IMDG, IATA, RID	9
Packing group	
DOT	N/A
ADR, ADN, IMDG, IATA, RID	III
Environmental hazards	Marine Pollutant
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	Not data available
Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not applicable
UN "Model Regulation"	

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: No chemicals 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