



SECTION 1 – CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Identifier: WESTCO™ TBBS-75

Other means of identification

Chemical characterization: Mixture, Polymer pre-dispersed rubber chemical

Recommended use and restrictions on use

Recommended use: Curing accelerator of natural rubber and synthetic rubber

Restrictions on use: No additional information available

Supplier information

Supplier: Western Reserve Chemicals

Supplier Address: 4837 Darrow Road,
Stow, OH 44224 USA

Telephone: 330-650-2244

Fax: 330-650-2255

Website: www.wrchem.com

Emergency phone number: Chemtrec: 1-800-424-9300 US

SECTION 2 – HAZARD(S) IDENTIFICATION

GHS Classification of the substance or mixture in accordance with 29 CFR 1910.1200

Skin Sensitization, Category 1

Chronic aquatic toxicity, Category 1

GHS Label Elements



Hazard Symbol:

Signal word: Warning

Hazard statements:

May cause allergic skin reaction.

Very toxic to aquatic life with long lasting effects.



Precautionary Statements:

Prevention:

Avoid breathing dust/fume/gas/mist/vapor/spray.
Contaminated work clothing must not be allowed out of the workplace.
Wear protective gloves.
Avoid release to the environment.

Response:

IF ON SKIN: Wash with plenty of soap and water.
If skin irritation or rash occurs: Get medical advice/attention.
Wash contaminated clothing before reuse.
Collect spillage.

Disposal

Dispose of contents and/or container to a licensed waste disposal facility in accordance with local, regional, and national regulations.

Hazard(s) not otherwise classified (HNOC): None known.

SECTION 3 - COMPOSITION / INFORMATION ON INGREDIENTS

Chemical characterization: Mixture, Polymer pre-dispersed rubber chemical

<u>Components</u>	<u>Chemical Identity</u>	<u>CAS Number</u>	<u>Weight%</u>
	N-tert-butylbenzothiazole-2-sulfenamide	95-31-8	73-77
	Polymer binder, dispersion agent	-	~25

SECTION 4 – FIRST AID MEASURES

Inhalation: Remove affected person to fresh air and keep comfortable for breathing. If not breathing, provide artificial respiration. If breathing is difficult, get immediate medical attention.

Ingestion: If swallowed, rinse mouth. Contact a physician immediately. Only induce vomiting at the instruction of a physician. Never give anything by mouth to an unconscious person.

Skin contact: Wash off immediately with soap and plenty of water. Remove contaminated clothing and launder before reuse. If skin irritation or rash occurs, get medical advice/attention.

Eye contact: Immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention if irritation persists.



General Advice: In case of overexposure or if symptoms develop, seek medical attention. Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves. Show this Safety Data Sheet to the physician in attendance.

Most important symptoms/effects, acute and delayed:

Eye contact:	No information available
Inhalation:	No information available
Skin contact:	May cause mild skin irritation. Signs/symptoms can include redness, swelling and itching. May cause an allergic skin reaction.
Ingestion:	No information available

Notes to physician: Provide symptomatic/supportive care as necessary. Treatment based on sound judgment of physician and individual reactions of patient.

Indication of immediate medical attention and special treatment needed: Specific treatments in any case must be based on the physician's judgment and in response to the patient's reactions.

SECTION 5 – FIRE FIGHTING MEASURES

Suitable extinguishing method: In case of fire, use water spray (fog), foam or dry powder.

Unsuitable extinguishing method: No information available.

Specific hazards arising from chemical: In case of fire, development of toxic gases.

Combustion products: Toxic emissions may result if product is involved in a fire. Fire produces carbon monoxide and carbon dioxide gases.

Special firefighting equipment and precautions for firefighters: Avoid breathing smoke or fumes. Firefighters should wear a self-contained breathing apparatus (SCBA) operating in positive pressure mode and full protective clothing for combating fires. Do not allow runoff to enter drains or waterways.



SECTION 6 – ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures:

Wear protective equipment specified. Avoid contact with skin and eyes and inhalation of dust.

Methods and materials for containment and cleaning up:

Isolate area and remove sources of friction, impact, heat, low level electrical current and RF energy. Avoid the generation of dust. Sweep up and place into closable container for disposal. DO NOT spread spilled product with water.

Environmental precautions:

Avoid entry into the environment. In the event of a spill or accidental release that cannot be contained, notify the relevant authorities in accordance with all applicable regulations.

SECTION 7 - HANDLING AND STORAGE

Precautions for safe handling: Good hygienic practices should be observed. See Section 8 for personal protective equipment. Work clothes should be washed separately at the end of each work day. Disposable clothing should be discarded with material. Avoid generating or breathing dust. Avoid contact with eyes, skin and clothing. Reclose containers of unused product. Wash hands before eating, chewing gum, using tobacco or using the toilet.

Conditions for safe storage, including any incompatibilities: Store closed containers in a cool, dry, well-ventilated area. Keep away from heat, sparks, flame and other sources of ignition. Keep away from direct sunlight. Keep away from foodstuffs.

SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

Occupational Exposure Limits: None established.

Appropriate engineering controls: General, local exhaust ventilation as necessary to control any air contaminants to within their exposure limits during use of this product. Adequate ventilation should be provided to keep dust concentration below acceptable exposure limits. Discharge from the ventilation system should comply with applicable air pollution control regulations. Facilities storing or utilizing this material should be equipped with eye wash station(s) and safety shower(s).

Individual protection measures, such as personal protective equipment:

Respiratory protection: Appropriate respiratory protection shall be worn when applied engineering controls are not adequate to protect against inhalation exposure. If dust is generated, wear NIOSH-approved dust respirator or dust mask. If vapors/dust are generated above exposure limits, use NIOSH approved

full-face organic cartridge filter respirator, air supplied respirator or SCBA. Respirators should be selected and used in accordance with OSHA, Subpart 1 (29 CFR 1910.134)

Eye/face protection: Safety glasses or goggles.

Skin/Hand protection: Wear impervious gloves to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with good laboratory practices. Wash hands with soap and water.

Body protection: To protect the body, wear impervious clothing such as coveralls to minimize skin contact. Select protective equipment according to the concentration and amount of the dangerous substance at the specific workplace. Launder contaminated clothing before reuse.

SECTION 9 - PHYSICAL & CHEMICAL PROPERTIES

Appearance:	White to beige slab
Odor:	Slight
Odor Threshold:	No data available
pH:	Not applicable
Boiling Point/Range:	Not applicable
Melting Point/Freezing Point:	No data available
Flash Point (°C):	Not applicable
Flammable/Explosion Limits:	Not applicable
Relative Density (Specific Gravity):	1.05 @20°C
Vapor Pressure:	Not determined
Vapor Density:	No data available
Solubility:	Insoluble in water
Evaporation Rate:	No data available
Partition Coefficient: (n-octanol/water)	No data available
Auto-ignition Temperature:	Not self-igniting
Viscosity:	Not applicable
Explosive Properties:	Not explosive

SECTION 10 - STABILITY & REACTIVITY

Reactivity: Stable under normal conditions.

Chemical stability: Stable under recommended storage conditions.

Possibility of hazardous reactions: Under normal conditions of storage and use, hazardous reactions are not anticipated.

Conditions to avoid: Keep away from heat, sparks, flame and other sources of ignition.

Incompatible materials: No information available.

Hazardous decomposition products: Formation of alkyl mercaptans, dialkyl sulfides, trace hydrogen sulphide possible.

SECTION 11 - TOXICOLOGICAL INFORMATION

Acute Toxicity

Chemical Name

N-tert-butylbenzothiazole-2-sulfenamide

Oral: LD50 (Rat): 6,310-7,940 mg/kg

Dermal: LD50 (Rabbit): 7,940 mg/kg

Inhalation: Not determined.

Irritation/Corrosion:

Skin: No data available

Eyes: No data available

Respiratory: No data available

Sensitization:

Skin: Sensitizing effects in humans by skin contact.
May cause an allergic skin reaction.

Respiratory: No data available

Mutagenicity:

No data available

Carcinogenicity:

No component of this product present at levels greater than or equal to 0.1% is identified by the IARC, ACGIH, NTP or OSHA as a carcinogen or suspected carcinogen.

Reproductive toxicity: No data available

Teratogenicity: No data available

Specific target organ toxicity-single exposure: No data available



Specific target organ toxicity-repeated exposure: No data available

Aspiration hazard: Not applicable

Information on likely routes of exposure: Routes of entry: Dermal-Skin

Potential acute health effects:

Eye contact: No information available.
Inhalation: No information available.
Skin contact: May cause an allergic skin reaction.
Ingestion: No information available.

Symptoms related to the physical, chemical and toxicological characteristics:

Inhalation: No specific data.
Skin Contact: Signs/symptoms can include redness, swelling and itching.
Eye Contact: No specific data.
Ingestion: No specific data.

Delayed and immediate effects and also chronic effects from short and long term exposure:

Short term exposure:

Potential immediate effects: Not available.
Potential delayed effects: Not available.

Long term exposure:

Potential immediate effects: Not available.
Potential delayed effects: Not available.

Potential chronic health effects: May cause an allergic skin or sensitization reaction and thereby aggravated systemic disease.

SECTION 12 - ECOLOGICAL INFORMATION

Ecotoxicity: CAS No. 95-31-8: TBBS-Very toxic to aquatic life with long lasting effects.

Persistence and degradability: No data available.

Bioaccumulative potential: No data available.

Bioconcentration factor: No data available.

Mobility in soil: No data available



Other adverse effects: Very toxic to aquatic organisms with long lasting effects. Entry into environment should be avoided.

SECTION 13 - DISPOSAL CONSIDERATIONS

Disposal instructions: The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Empty containers should be handled in a manner not to cause dusting during collection, transportation and disposal. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction.

This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues and must be treated as waste. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

SECTION 14 - TRANSPORTATION INFORMATION

U.S. DOT: Refer to specific DOT regulations.

Regulation	UN No.	Proper shipping goods name	Hazard Class	Label	Package group	Environmental hazards	Special precautions
ADR/ADN	3077	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.(N-tert-butylbenzothiazole-2-sulphenamide)	9	9	III	YES	
RID	3077		9	9	III	YES	
IATA Cargo	3077		9	9	III	YES	
IATA Passenger	3077		9	9	III	YES	
IMDG	3077		9	9	III	Marine pollution	EMS NO.F-A, S-F Mark:MP

SECTION 15 - REGULATORY INFORMATION



U.S.:

TSCA Inventory Status: Chemical components are listed as Active or Exempt.

Title III SARA Status:

SARA Section 311 & 312-Hazardous Categories

Acute Health Hazard

SARA Section 313-Toxic Chemicals

This material does not contain any chemical components that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

California Proposition 65: This product does not contain any chemicals known to the State of California to cause cancer, birth defects or any other reproductive harm.

SECTION 16 - OTHER INFORMATION

Issue date: 11-11-2021

Version #: 01

Disclaimer: The information and recommendations contained herein are based upon data that are believed to be accurate and reliable. Application and performance information are provided only as a guide, since the conditions of use are beyond the control of Western Reserve Chemicals. Consequently, Western Reserve makes no warranties, express or implied, with respect to the goods or use of the goods or the performance of the goods and makes no warranties of fitness for a particular purpose or merchantability. Buyer acknowledges that Western Reserve will not be liable for consequential, incidental, direct or special damages arising, directly or indirectly, in respect to such goods or the use or failure thereof, whether based on breach of warranty, negligence, strict liability in tort or otherwise.

Western Reserve Chemicals

www.wrchem.com