



Accelerator TBSI

1. CHEMICAL PRODUCT & COMPANY IDENTIFICATION	
Manufacturer Shandong Yanggu Huatai Chemical Co., LTD No.399,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): Accelerator TBSI	Chemical Name: N-(1,1-dimethylethyl)bis(2-benzothiazolesulfen)amide
Relevant identified uses of the substance or mixture and uses advised against: No further relevant information available.	Application of the substance/the preparation: Rubber accelerator
Issued By: Sovereign Chemical Company (Distributor) 4040 Embassy Parkway, Suite 190 Akron, Ohio 44333	Date of Issue: February 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)	:  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 P363 - Wash contaminated clothing before reuse P501 - Dispose of contents/ container to an approved waste disposal plant P273 - Avoid release to the environment P391 - Collect spillage. Hazardous to the aquatic environment
PBT and vPvB	: Not available

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance

Chemical Name	CAS No	EC No	Weight %	Classification
N-(1,1-dimethylethyl)bis(2-benzothiazolesulfen)amide	3741-80-8	407-430-1	≥ 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
Whit mineral oil	N/A	N/A	1-2	

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: If large amounts of this material are inhaled in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
- First-aid measures after skin contact: Wash off with soap and plenty of water. Consult a physician.
- First-aid measures after eye contact: Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Consult a physician.
- First-aid measures after ingestion: If ingested, do not induce vomiting. Rinse mouth with water. Consult a physician.

Most important symptoms and effects, both acute and delayed

Symptoms effects: May cause an allergic skin reaction.

Indication of any immediate medical attention and special treatment needed

Skin irritation: If skin irritation or rash occurs, get medical advice/attention

5. FIRE FIGHTING MEASURES

Extinguishing media

Suitable extinguishing agents: This product is non-flammable. Use extinguishing agent suitable for surrounding fire. Water spray, foam, dry chemical or carbon dioxide.

Unsuitable extinguishing agents: Not available

Special hazards arising from the substance or mixture

General: Decomposition products may include the following materials: carbon monoxide, carbon dioxide, nitrogen oxides (NO_x), sulfur oxides.

Advice for firefighters

General: Wear a self-contained breathing apparatus in pressure-demand MSHA/ NIOSH (approved or equivalent), and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Non-emergency personnel: Use personal protective equipment. Avoid dust formation. Avoid breathing dust. Ensure adequate ventilation. Avoid contact with skin and eyes.

Emergency personnel: Wear an appropriate NIOSH/MSHA approved respirator if mist, vapor or dust is generated.

Environmental precautions

General: Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

Methods and material for containment and cleaning up

Large spill: Pick up and arrange disposal without creating dust. Keep in suitable, closed containers for disposal. Dispose of contaminated material as waste according to section 13. Clean up affected area.

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

Protective measures: Good hygienic practices should be observed. Avoid contact with skin and eyes. Avoid breathing dust, if exposed to high dust concentration, leave area immediately. Work clothes should be washed separately at the end of each workday. Since empty containers contain product residue, follow all hazard warnings and precautions even after container is emptied. Keep away

from sources of ignition. Ensure good ventilation/exhaustion at the workplace. Normal measures for preventive fire protection.

General occupational hygiene: 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: Store in cool, dry place in tightly closed containers. Do not store near acids. Keep away from sources of ignition.

Specific end use(s)

General: Not applicable

8. EXPOSURE CONTROLS - PERSONAL PROTECTION

Control Parameters

Occupational exposure limits: Not available

Additional exposure limits: Not available

DNEL /DMEL and PNEC Values: Not available

Exposure controls

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.

Eye/face protection: Wear safety glasses or goggles to protect against exposure.

Hand protection: Type of gloves recommended: nitrile rubber.
Minimum breakthrough time / gloves: 480 min; Minimum thickness gloves: 0.11 mm.

Body protection: Wear appropriate protective clothing and boots.

Respiratory protection: Wear dust-protection mask if there is a risk of dust formation.

Thermal hazard: Wear suitable protective clothing to prevent heat.

Environmental exposure controls: Avoid discharge into the environment. According to local regulations, Federal and official regulations.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Form: Powder	Melting Point/Melting Range: 130°C
Color: White	Boiling Point/ Boiling Range: Not available
Odor: Odorless	Octanol/Water Partition Coefficient: 6.7
Odor threshold: Not available	pH Value: Not available
Vapor pressure: Not available	Flash point: Not available
Bulk Density: Not available	Flammability (solid, gaseous): Product is not flammable
Relative density: 1.401 g/cm ³	Ignition temperature: Not available
Vapor density: Not available	Decomposition temperature: Not available
Evaporation rate: Not available	Oxidizing properties: Not available
Solubility in / Miscibility with water: 1.8 mg/m ³	Danger of explosion: Product does not present an explosion hazard
Viscosity Dynamic: Not available Kinematic: Not available	Explosion limits Lower: Not available Upper: Not available

Other information

Fat Solubility: Not available

Surface tension: Not available

Dissociation constant in water (pKa): Not available

Oxidation-reduction potential: Not available

Specific gravity: 0.870 (Water = 1)

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. Avoid excessive heat.

Incompatible materials

Strong oxidizing agents, acids.

Hazardous decomposition products

Carbon monoxide, carbon dioxide, nitrogen oxides, sulfur oxides.

11. TOXICOLOGICAL INFORMATION*Information on toxicological effects*

Acute toxicity (oral, rat):	LD50 > 5,000 mg/kg
Acute toxicity (dermal, rabbit):	LD50 > 5,000 mg/kg
Acute toxicity (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 multiple exposure:	Not classified
Aspiration hazard:	Not classified

12. ECOLOGICAL INFORMATION

Toxicity

Acute toxicity		Time	Species	Method	Evaluation	Remarks
LC50	>2.7 mg/L	96h	Fish	OECD 203	N/A	N/A
EC50	ca.5 µg/L	48h	Daphnia	OECD 202	N/A	N/A
EC50	>0.87 mg/L	96h	Algae	OECD 201	N/A	N/A

Persistence and degradability

Information: Not available

Bioaccumulation potential

Information: Not available

Mobility in soil

Information: Not available

Results of PBT and vPVB assessment

Information: Not available

Other adverse effects

Information: Not available

13. DISPOSAL CONSIDERATIONS

Waste treatment methods

Methods: Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.

14. TRANSPORTATION INFORMATION

UN-Number

DOT, ADR, IMDG, IATA UN 3077

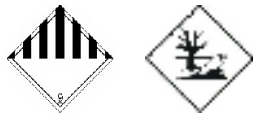
UN proper shipping name:

DOT, ADR, IMDG, IATA Environmentally hazardous substance, solid, n.o.s.(TBSI)

Transport hazard class(es)

DOT Class: 9 (M7) Miscellaneous dangerous substances and articles.
Label: 9

ADR



Class: 9 (M7) Miscellaneous dangerous substances and articles.
Label: 9

IMDG, IATA



Class: 9 Miscellaneous dangerous substances and articles.
Label: 9

Packing group

DOT III
ADR, IMDG, IATA III

Environmental hazards

Marine pollutant Yes
Special Marking (ADR) Symbol (fish and tree)
Special Marking (IATA) Symbol (fish and tree)

Special precautions for user

Warning: Miscellaneous dangerous substances and articles

Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:

IBC08

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-Ca (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: 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.