

SECTION 1 – CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Identifier: WESTCO™ DBTU

Other means of identification

Chemical characterization: N,N'-Dibutylthiourea; 1-3-dibutylthiourea, DBTU

Recommended use and restrictions on use

Recommended use: Rubber accelerator

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

Acute toxicity (Oral), Category 4

GHS Label Elements



Hazard Symbol:

Signal word: Warning

Hazard statements:

Harmful if swallowed.

Precautionary Statements:

Wash face, hands and any exposed skin thoroughly after handling.



Do not eat, drink or smoke when using this product.

IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.

Rinse mouth.

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): No information available

SECTION 3 - COMPOSITION / INFORMATION ON INGREDIENTS

Chemical characterization: Substance

Components Chemical Identity	CAS Number	Weight%
1-3-dibutylthiourea; N,N'-Dibutylthiourea	109-46-6	>96

SECTION 4 – FIRST AID MEASURES

Inhalation: Remove affected person to fresh air and keep comfortable for breathing. Get medical advice/attention if you feel unwell.

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. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, get medical advice/attention.

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:

Harmful if swallowed.

Irritant effects: Cough, Gastrointestinal disturbance

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. Treat symptomatically and supportively.

SECTION 5 – FIRE FIGHTING MEASURES

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

Unsuitable extinguishing method: No information available.

Special hazards arising from the substance or mixture: In case of fire, development of toxic fumes.

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:

Keep people away from spill/leak. Ensure adequate ventilation. Use personal protective equipment specified. Avoid dust formation. Avoid breathing dust/fume/gas/mist/vapors/spray. Avoid contact with skin, eyes and clothing.

Methods and materials for containment and cleaning up:

Avoid the generation of dust. Sweep up and place into a suitable, closed container for disposal.

Environmental precautions:

Avoid entry into the environment. Prevent product from entering drains. 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. Wear suitable protective equipment- See Section 8. Ensure adequate ventilation. Avoid contact with eyes, skin and clothing. Wash contaminated clothing before reuse. Avoid generation of dust. Do not breathe dust/fume/gas/mist/vapors/spray. Do not eat, drink or smoke when using this product. Wash thoroughly after handling.

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 foodstuffs. Store away from incompatible materials such as oxidizing agents.



SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

Occupational Exposure Limits: None established.

Appropriate engineering controls:

Use appropriate engineering control such as process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits. Good general ventilation should be sufficient to control airborne levels. Where such systems are not effective wear suitable personal protective equipment, which performs satisfactorily and meets OSHA or other recognized standards. Consult with local procedures for selection, training, inspection and maintenance of the personal protective equipment. 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

Physical State:	Solid
Appearance:	White to light yellow powder
Odor:	No data available
Odor Threshold:	No data available
pH:	Not determined
Boiling Point/Range:	Not determined



Melting Point:	60-63°C
Flash Point (°C):	Not determined
Flammable/Explosion Limits:	No data available
Relative Density (Specific Gravity):	1.03
Vapor Pressure:	Not determined
Vapor Density:	Not determined
Solubility:	Slightly soluble in water
Evaporation Rate:	Not determined
Partition Coefficient: (n-octanol/water)	No data available
Auto-ignition Temperature:	No data available
Viscosity:	Not applicable
Explosive Properties:	No data available

SECTION 10 - STABILITY & REACTIVITY

Reactivity: Stable under recommended storage and handling conditions.

Chemical stability: Stable under normal conditions.

Possibility of hazardous reactions: Under normal conditions of storage and use, hazardous reactions are not anticipated. Violent reactions possible with: Strong oxidizing agents.

Conditions to avoid: Avoid freezing, direct sunlight, heat, sparks, open flame, other sources of ignition and incompatible materials.

Incompatible materials: Strong oxidizing agents. Strong acids.

Hazardous decomposition products: Carbon dioxide. Carbon monoxide. Sulphur oxides. Nitrogen oxides.

SECTION 11 - TOXICOLOGICAL INFORMATION

Acute Toxicity:

1-3-dibutylthiourea; N,N'-Dibutylthiourea, CAS No. 109-46-6

Oral: LD50 (Rat): 350 mg/kg

Inhalation: No data available

Dermal: No data available

Irritation/Corrosion:

Skin: No data available



Eyes: No data available
Respiratory: No data available

Sensitization:
Skin: No data available
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 as probable, possible or confirmed human carcinogen by IARC.

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

To the best of our knowledge, the chemical, physical and toxicological properties have not been thoroughly investigated.

SECTION 12 - ECOLOGICAL INFORMATION

Ecotoxicity:

1-3-dibutylthiourea; N,N'-Dibutylthiourea, CAS No. 109-46-6
EC50-Daphnia magna - 10.7 mg/L – 48h

Persistence and degradability: No data available.

Bioaccumulative potential: No data available.

Mobility in soil: No data available

Results of PBT and vPvB assessment:

PBT and vPvB assessment information is not available as chemical safety assessment not conducted.

Other adverse effects: No data available. Do not allow product to reach ground water, watercourses or sewage system.



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

DOT (US): Not regulated for transportation.

SECTION 15 - REGULATORY INFORMATION

U.S.:

TSCA Inventory Status: Listed as Active on TSCA Inventory.

Title III SARA Status:

SARA Section 311 & 312-Hazardous Categories

Acute health hazard

Acute toxicity (Oral), Category 4

SARA Section 313-Toxic Chemicals

Substance is not listed.

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: 10-20-2022

Version #: 01



Safety Data Sheet
WESTCO™ DBTU

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