

Section 1: Identification

Product name: Dithiothreitol (DTT) Solution
Product number: TBS5039
Identified uses: Laboratory chemicals.
 For research use only.

Company: Tribioscience, Inc.
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Section 2: Hazard(s) Identification

Hazard Classification: Not a hazardous substance or mixture.
Signal Word: Not a hazardous substance or mixture.
Hazard Statements: Not a hazardous substance or mixture.
Pictogram: Not a hazardous substance or mixture.
Precautionary Statements: Not a hazardous substance or mixture.
Description of other hazards: Not a hazardous substance or mixture.

Section 3: Composition/ Information on Ingredients

Chemical Name	CAS#	Concentration
Dithiothreitol (DTT) Solution	3483-12-3	1 M

Section 4: First-Aid Measures

Skin contact: Wash off with water. Consult a physician.

Eye contact: Flush eyes with running water for 15 min

Inhalation: Not expected to be an inhalation hazard under anticipated conditions of normal use of this material. Consult a physician if necessary.

Ingestion: Not expected to present a significant ingestion hazard under anticipated conditions of normal use. Seek medical advice if necessary

Section 5: Fire-Fighting Measures

Suitable extinguishing agents: Use water spray, alcohol-resistant foam, dry chemical, or carbon dioxide.

Unsuitable extinguishing agents: No data available.

Specific hazards arising from chemical: Not known

Special protective equipment for firefighters: Standard procedure for chemical fires

Section 6: Accidental Release Measures

Personal precautions: Use personal protective equipment.
 Avoid dust formation.
 Ensure adequate ventilation.
 Avoid breathing dust. For personal protection see section 8.

Measures for environmental protection: No special environmental precautions required.

Clean with inert absorbent material

Measures for cleaning/collecting:

Section 7: Handling and Storage

Handling: Use personal protective equipment.
No special handling requirement

Storage: Store in cool. Keep container tightly sealed and properly labeled.

Section 8: Exposure Controls/Personal Protection

Exposure controls: Substances are not required for occupational exposure limit values.

Engineering controls: Use in a fume hood where applicable. Ensure proper ventilation. Ensure laboratory is equipped with a safety shower and eye wash station.

General protective: Use appropriate chemical resistant gloves
Wear suitable protective clothing to prevent skin exposure.

Respiratory protection: If risk assessment indicates necessary, use a suitable respirator.

Eye protection: Use appropriate safety goggles.

Hygiene Measures: Handle in accordance with good industrial hygiene and safety practice

Section 9: Physical and Chemical Properties

Physical state: Liquid.
Odor: No data available
Odor threshold: No data available.
pH: No data available
Melting point/freezing point: No data available.
Boiling point/boiling range: No data available.
Flash point: No data available.
Evaporation rate: No data available.
Flammability: No data available.
Upper/lower flammability or explosive limits: No data available.
Vapor pressure: No data available.
Vapor density: No data available.

Relative density:	No data available.
Solubility:	No data available.
Partition coefficient:	No data available.
Auto ignition temperature:	No data available.
Decomposition temperature:	No data available.
Viscosity:	No data available.

Section 10: Stability and Reactivity

Reactivity: No specific test data related to reactivity is available for this product or its ingredients.

Chemical stability: The product is stable under recommended storage conditions.

Possibility of hazardous reactions: Hazardous reactions will not occur under normal transport or storage conditions.

Conditions to avoid: No data available

Incompatible materials: No data available

Hazardous decomposition products: No data available

Section 11: Toxicological Information

Acute toxicity: No data available

Irritation/ Corrosion: No data available

Sensitization: No data available

Mutagenicity: No data available

Carcinogenic effects: No data available

Reproductive toxicity: No data available

Teratogenicity: No data available

Specific target organ toxicity (STOT) - single exposure: No data available

Specific target organ toxicity (STOT)- repeated exposure: No data available

Aspiration hazard: No data available

Section 12: Ecological Information

Ecotoxicity: No substances known to be hazardous to the environment.

Mobility: No data available.

Biodegradation: No data available.

Bioaccumulation: No data available.

Other adverse effects: No data available.

Section 13: Disposal Considerations

Waste from residues/unused products: The generation of waste should be minimized as much as possible. Disposal of this product and solutions should entirely comply with the requirements of all applicable local, regional, or national/ federal legislations

Section 14: Transport Information

DOT-US/ IMDG/ IATA Not regulated by the transportation regulation

UN number:	No data available.
UN shipping name:	No data available.
Hazardous class:	No data available.
Packing group:	No data available.
Transport in bulk:	No data available.
Special precautions:	No data available.
Environmental hazards:	No data available.

Section 15: Regulatory Information

SARA Section 311/312:	No SARA hazards
SARA Section 313:	No SARA hazards
Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs):	Not contain HAPs
TSCA (Toxic Substances Control Act):	No data available.

Other Information

Version:	V03
Date of creation	02/12/2021

For research use only. Not for use in diagnostic procedures

The above information is believed to be accurate but shall not to be taken as all inclusive. The information is to be used only as a guide. All materials and mixtures should be treated with unknow hazards and used with cautions. Tribioscience, Inc shall not be held liable for any damage resulting from handling or from contact with the above product.