

TDT antibody (PE)

Cat#: orb1184191 (MSDS)

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifiers

Product Code: orb1184191

Product Name: TDT antibody (PE)

1.2 Relevant identified uses of the substance or mixture and uses advised against
2mL plastic microcentrifuge tube filled with 0.5mL or 1mL of liquid reagent.

SECTION 2: Hazards Identification

2.1 Classification of the substance or mixture

OSHA/HCS status

While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for employees and others users of this product.

2.2 Label elements

Signal Word No signal word.

Pictogram Not applicable.

H-Statements No known significant effects or critical hazards.

P-Statements Not applicable.

EUH-Statements Not applicable.

Other hazards None

SECTION 3: Composition/information on ingredients

Substance/mixture: Mixture

Any concentration shown as a range is to protect confidentiality or is due to batch variation. There are no ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section. Occupational exposure limits, if available, are listed in Section 8.

SECTION 4: First aid measures

If inhaled

Move to well-ventilated area and seek medical attention if needed. If individual is not breathing, begin artificial respiration immediately and obtain medical attention.

If on skin

Immediately flush with copious amounts of water for at least 15 minutes. Remove contaminated clothing and shoes. If pain or irritation occurs, obtain medical attention.

If in eyes

Immediately wash eyes gently under running water for 15 minutes or longer, making sure that the eyelids are held open. If pain or irritation occurs, obtain medical attention.

If swallowed

Rinse mouth with water. Immediately seek medical attention and call poison control center.

Self-protection of the first aider N/A

Most important symptoms and effects, both acute and delayed N/A

Indication of any immediate medical attention and special treatment needed N/A

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

Extinguish using suitable agents

Unsuitable extinguishing media N/A

5.2 Special hazards arising from the substance or mixture

Hazardous combustion products

No combustion products posing significant hazards are expected from this product (a dilute aqueous solution).

Other information N/A

5.3 Advice for firefighters

Wear protective clothing containing self-contained breathing apparatus.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Protective equipment

Ensure adequate ventilation

Eye Protection: Wear goggles or safety glasses

Hand protection: Wear latex or vinyl gloves

Other protective equipment: Use lab coat or apron to prevent contact with eyes, skin and clothing

Emergency procedures N/A

For emergency responders N/A

6.2 Environmental precautions

Do not allow to enter sewage system

6.3 Methods and material for containment and cleaning up

For containment N/A

For cleaning up Use universal precautions during clean up procedures. As a precautionary measure, treat spilled material with a 1:10 bleach/water solution. Use liquid absorbent material to absorb liquid and place in container suitable for disposal. Avoid generation of aerosols during clean up. Comply with applicable waste disposal regulations.

Other information N/A

Reference to other sections N/A

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Measures to prevent fire N/A

Measures to prevent aerosol and dust generation N/A

Measures to protect the environment N/A

Advice on general occupational hygiene

Universal precautions should be followed when using this product. Wear personal protective equipment.

Ensure adequate ventilation. Do not breathe vapors or spray mist. Avoid contact with skin and eyes. Do not ingest. Do not eat, drink when handling this product, and wash hands after handling.

7.2 Conditions for safe storage, including any incompatibilities

Technical measures and storage conditions

Store at 2°C to 8°C

Packaging materials N/A

Requirements for storage rooms and vessels N/A

Storage class N/A

Other information N/A

7.3 Specific end use(s)

Recommendations N/A

Industrial sector specific solutions N/A

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

This product does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies. Ensure adequate ventilation, especially in confined areas. Ensure that eyewash stations and safety showers are close to the workstation location.

8.2 Exposure controls

Respiratory Protection

Use in well-ventilated laboratory

Skin and body protection

Wear appropriate protective gloves and clothing to prevent skin exposure

Eye/face Protection

Wear appropriate protective eyeglasses or chemical safety goggles

Hygiene Measures

Handle in accordance with good industrial hygiene and safety practice

SECTION 9: Physical and chemical properties

Appearance Clear, Liquid

Odor Odorless

Odor Threshold N/A

pH 7.5

Melting Point/ Freezing Point N/A

Initial Boiling Point/ Freezing Point N/A

Flash Point N/A

Evaporation Rate N/A

Flammability N/A

Upper/Lower Flammability or Explosive Limits N/A

Vapor Pressure N/A

Vapor Density N/A

Relative Density ~1g/mL

Solubility N/A

Partition Coefficient: n-octanol/water N/A

Auto-Ignition Temperature N/A

Decomposition temperature N/A

Viscosity N/A

Explosive Properties N/A

Oxidizing Properties N/A

Other Information N/A

Section 10: Stability and Reactivity

Reactivity N/A

Chemical Stability Stable under recommended storage conditions

Possibility of Hazardous Reactions N/A

Conditions to Avoid Strong prolonged heat and contact with incompatible materials

Incompatible Materials

Strong Acids

Strong Bases

Strong Oxidizers

Metals and Metallic compounds

Sodium Azide forms explosive compounds with heavy metals. Repeated contact of low concentrations of azide with lead and copper commonly found in plumbing drains result in the buildup of shock sensitive compounds.

Hazardous Decomposition Products N/A

SECTION 11: Toxicological Information

Acute dose effects No data available

Repeat does effects No data available

Skin irritation Not determined

Skin and respiratory sensitization Not determined

Eye irritation Not determined

Carcinogenicity No component of this product present at level greater than or equal to 0.1% is identified as a probable, possible, potential, known, anticipated, or confirmed carcinogen by IARC, ACGIH, NTP, or OSHA.

Mutagenicity No data available

Reproductive effects No data available

Developmental effects No data available

Target organ effects No data available

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

SECTION 12: Ecological Information

Toxicity

Preservatives normally are toxic for aquatic organisms when using pure substances. No ecological problems are to be expected when this product is handled and used with care and attention.

Persistence and Degradability N/A

Bioaccumulative potential N/A

Mobility in Soil N/A

Results of PBT and vPvB Assessment N/A

Other Adverse Effects N/A

SECTION 13: Disposal Considerations

13.1 Waste Treatment Methods

Dispose of waste product, unused product and contaminated packaging in compliance with federal, state and local regulations. If unsure of the applicable requirements, contact the authorities for information.

SECTION 14: Transport Information

Un Number N/A

Un Proper Shipping Name N/A

Transport Hazard Class (es) N/A

Packing Group N/A

Environmental Hazards N/A

Special Precautions for User N/A

Transport in Bulk according to Annex II of MARPOL73/78 and the IBC Code N/A

SECTION 15: Regulatory Information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

The product does not contain a hazardous ingredient in an amount that requires identification and labeling according to EC directives.

15.2 Chemical Safety Assessment

N/A