

Material Safety Data Sheet

Ethyl sulfate-d5, sodium salt

Catalog Number: 0902D-2, 0902D-10



Athena Enzyme Systems™ T (MD): 410-455-6319
1450 South Rolling Road T (USA): 888-892-8408
Baltimore, MD 21227 F: 410-455-1155
USA aesinfo@athenaes.com
a division of Athena Environmental Sciences, Inc.

1 - Product and Company Information

Product Name: Ethyl sulfate-d5, sodium salt
Catalog Number: 0902D-2, 0902D-10
Manufacturer/Supplier: Aurora Analytics, LLC/ AthenaES™
Information Department: Technical Services
Emergency Phone: 443-543-5799

2 - Composition / Data on Components

Chemical Name: Ethyl sulfate-d5, sodium salt
Chemical Formula: C₂D₅SO₄Na
CAS#: N/A
% Weight (Typical) >95%
SARA No. N/A

3 - Hazard Identification

Hazard Description:

This product contains no hazardous constituents, or the concentration of all chemical constituents are below the regulatory threshold limits described by Occupational Safety Health Administration Hazard Communication Standard 29 CFR 1910.1200 and the European Directive 91/155/EEC, and 93/112/EC.

HMIS Ratings (Scale: 0 - 4)

Health = N/A
Fire = N/A
Reactivity = N/A

4 - First Aid Measures

After skin contact:

Immediately wash with water and soap and rinse thoroughly.

After eye contact:

Rinse opened eye for at least thirteen minutes under running water. If symptoms persist, consult a doctor.

After swallowing:

Induce vomiting and wash out mouth with water provided person is conscious. Call a doctor.

After Inhaling:

Remove to fresh air. If breathing becomes difficult, call a doctor.

5 - Fire Fighting Measures

Suitable extinguishing agents: Water spray. Carbon dioxide, dry chemical powder, or appropriate foam.

Protective equipment: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

Specific Hazards: Emits toxic fumes in fire conditions.

6 - Accidental Release Measures

Person-related safety precautions:

Exercise appropriate precautions to minimize direct contact with skin or eyes and prevent inhalation of dust.

Methods for Clean-up:

Sweep up, place in a bag and hold for waste disposal. Avoid raising dust. Ventilate area and wash spill site after material pickup is complete.

7 - Handling and Storage

Handling: Avoid inhalation, Avoid contact with eyes, skin, and clothing. Avoid prolonged or repeated exposure.

Storage: Keep away from heat and sources of ignition. Store protected from light at 2-8°C in a dry place in a ventilated area. Keep tightly closed.

8 - Exposure Controls and Personal Protection

Engineering Controls

Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits.

Personal Protective Equipment:

General protective and hygienic measures: The usual precautionary measures for handling chemicals should be followed.

Breathing equipment: Wear dust mask
Protection of hands: Rubber or latex gloves.
Eye protection: Safety goggles.
Hygiene Practices: Wash thoroughly after handling

9 - Physical and Chemical Properties

Form: Crystalline powder
Color: White
Odor: Not applicable
Molecular Formula: C₂D₅SO₄Na
Molecular Weight: 148.11 g/mole

Change in condition:

Melting point/ Melting range: Not applicable
Boiling point/ Boiling range: Not applicable

Flash point: Not applicable.
Flammability (solid, gaseous): Combustible
Density: Not applicable.
Solubility in /Miscibility with: Water

10 - Stability and Reactivity**Stability:**

Stable if used and stored according to specifications.

Materials to avoid:

Strong oxidizing agents.

Dangerous products of decomposition:

Carbon oxides (CO, CO₂), sulfur oxides (SO₂, SO₃...),
metallic oxides

Hazardous Polymerization:

Will not occur.

11 - Toxicological Information**Acute toxicity:****Primary irritant effect:**

On the skin:	May cause irritation.
Skin absorption:	May be harmful.
On the eye:	May cause irritation
Ingestion:	May be harmful if swallowed.
Inhalation:	Material may be irritating to mucous membranes and upper respiratory tract.

Additional toxicological information:

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated, according to our experience and the information provided to us.

12 - Ecological Information**Ecological effects:**

The ecological effects have not been thoroughly investigated, but currently none have been identified.

13 - Disposal Considerations**Product:**

Contact a licensed professional waste disposal service to dispose of this material. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber. Observe all federal, state, and local environmental regulations.

Uncleaned packagings:**Recommendation:**

Disposal must be made according to state and federal regulations.

Recommended cleansing agent:

Water, if necessary with cleansing agents.

14 - Transportation Information

DOT regulations: -

Hazard Class: -

Land transport ADR/RID (cross-border): -

ADR/RID Class: -

Maritime transport IMDG: -

IMDG Class: -

Marine pollutant: -

Air transport ICAO-TI and IATA-DGR: -

ICAO/IATA Class: -

15 - Regulatory Information**Product related hazard information:**

The substance is not subject to classification according to the sources of literature known to us. Observe the general safety regulations when handling chemicals. The product is not subject to identification regulations pertaining to regulations on hazardous materials.

National regulations:

Additional classification according to Decree on Hazardous Materials:

CERCLA: This product does not contain chemicals having a Reportable Quantity (RQ).

SARA: Not subject to reporting.

TSCA: This product is on the EPA TSCA inventory.

Water hazard class: Generally not hazardous for water.

16 - Other Information

To the best of our knowledge, the information contained herein is accurate. However, neither Athena Environmental Sciences, Inc. nor any of its subsidiaries assumes any liabilities whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

Department Issuing MSDS: Office of the CSO

Contact: Technical Service Representative