

Material Safety Data Sheet

I270™ AFM Reference Protein

Catalog Number: 0304



Athena Enzyme Systems™

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1 - Product and Company Information

Product Name: I270™ AFM Reference Protein
Catalog Number: 0304
Product Description: Synthetic protein construct
Manufacturer/Supplier: Athena Environmental Sciences, Inc.
Information Department: Technical Services
Emergency Phone: 410-455-6319

2 - Composition / Data on Components

CAS No. Description: Not Applicable

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.

NFPA Ratings (Scale: 0 - 4)

Health = 3

Fire = 0

Reactivity = 0

4 - First Aid Measures

General Information: No special measures required.

After inhalation:

Seek medical treatment in case of complaints.

After skin contact:

Immediately wash with copious amounts of water for at least 15 minutes. Remove contaminated clothing and shoes. Call a physician.

After eye contact:

Rinse opened eye for at least 15 minutes with copious amounts of water. Assure adequate flushing by separating the eyelids with fingers. Consult a doctor.

After swallowing:

Wash out mouth with water provided person is conscious. Call a physician.

Information for doctor: Show this label.

5 - Fire Fighting Measures

Suitable extinguishing agents:

CO₂, extinguishing powder or water spray. Fight larger fires with water or alcohol resistant foam.

Protective equipment:

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

6 - Accidental Release Measures

Person-related safety precautions:

Wear protective equipment. Keep unprotected persons away.

Measures for environmental protection:

Wipe up with damp sponge or mop.

Measures for cleaning/collecting:

No special measures required.

Additional information:

No dangerous substances are released.

7 - Handling and Storage

Handling:

Information for safe handling:

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

Information about protection against explosions and fires:

No special measures required.

Storage:

Requirements to be met by storerooms and receptacles:

Keep tightly closed.

Information about storage in one common storage facility:

Store at -20°C

Further information about storage conditions: None.

8 - Exposure Controls and Personal Protection

Additional information about the design of technical systems:

No further data; see item 7.

Components with limit values that require monitoring at the workplace:

Not required.

Additional information:

The lists that were valid during the creation were used as basis.

Personal Protective Equipment:

General protective and hygienic measures:

The usual precautionary measures to avoid eye contact should be followed.

Breathing equipment:

In case of brief exposure, use a chemical fume hood or a NIOSH/MSHA-approved respirator.

Protection of hands:

Rubber or latex gloves.

Eye protection:

Safety goggles.

Body protection:

Protective work clothing (lab coat).

9 - Physical and Chemical Properties

Form: Liquid
Color: Translucent
Odor: Not applicable
Change in condition:
 Melting point/ Melting range: Not applicable.
 Boiling point/ Boiling range: Not determined.
Flash point: Not applicable
Flammability (solid, gaseous): Product is not flammable.
Density: Not determined
Solubility in /Miscibility with: Water: soluble

10 - Stability and Reactivity

Thermal decomposition / conditions to be avoided:
 No decomposition if used according to specifications.
Dangerous reactions:
 No dangerous reactions known.
Dangerous products of decomposition:
 No dangerous decomposition products known.

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

On the skin: May cause skin irritation
 On the eye: May cause eye irritation

Sensitization: No sensitizing effects known.

Additional toxicological information:

When used and handled according to specifications, the product does not have any harmful effects based on our experience and the information provided to us.

The substance is not subject to classification

12 - Ecological Information**Ecological effects:****Other information:**

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

General Notes:

Generally not hazardous for water.

13 - Disposal Considerations**Product:****Recommendation:**

Must adhere to state and federal regulations. Small quantities can be disposed of with solid waste. Disposal must be made according to regulations found in 40.CFR.261. This product is not considered a RCRA hazardous waste.

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: No

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 311/312: May be subject to reporting.
 313: Not subject to reporting.
 TSCA: This product is exempt under TSCA.

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