

Material Safety Data Sheet

PDQ™ Protease Assay

Catalog Number: 0201



Athena Enzyme Systems™

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1 - Product and Company Information

Product Name: PDQ™ Protease Assay
Catalog Number: 0201
Product Description: Colorimetric assay used to detect protease activity in aqueous samples.
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 = 0

Fire = 0

Reactivity = 0

4 - First Aid Measures

General Information:

No special measures required.

After inhalation: N/A

After skin contact:

Immediately flush skin with copious amounts of water (e.g., at least 15 min). Remove contaminated clothing and shoes and wash or clean before reuse. Get medical attention if irritation develops.

After eye contact:

Immediately flush eyes with copious amounts of water (e.g., at least 15 min), lifting upper and lower eyelids occasionally. Get medical attention if irritation develops.

After swallowing:

Flush out mouth with water. Give several glasses of water to drink to dilute. If large amounts were swallowed or symptoms occur, get medical advice. Never give anything by mouth to an unconscious person.

Information for doctor: Show this information.

5 - Fire Fighting Measures

Suitable extinguishing agents:

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

Protective equipment:

No special measures required.

6 - Accidental Release Measures

Person-related safety precautions:

Wear approved respirator and chemically compatible gloves
Keep unprotected persons away.

Measures for environmental protection:

Mop up spillage for removal (with damp sponge or mop). Ventilate area and wash spill site.

Measures for cleaning/collecting:

Put spillage in appropriate container for waste disposal. Wash contaminated clothing before reuse.

Additional information: N/A

7 - Handling and Storage

Handling:

Information for safe handling: Handle tightly closed containers
Information about protection against explosions and fires:
No special measures required.

Storage:

Requirements to be met by storerooms and receptacles:
Keep in a tightly closed container, stored in a cool, dry, ventilated area. Avoid exposure to light. Protect against physical damage.
Information about storage in one common storage facility:
No special requirements.
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 for handling chemicals 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: Solid with liquid overlay

Color: Orange-red solid; clear overlay

Odor: Characteristic/none

Change in condition:

Melting point/ Melting range: Not determined.

Boiling point/ Boiling range: Not determined.

14 - Physical and Chemical Properties continued

Flash point: Not applicable.
 Flammability (solid, gaseous): Product is not flammable.
 Danger of explosion: Product does not present an explosion hazard.
 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 respiratory tract:	May cause irritation
On the digestive tract:	May cause irritation although unlikely
On the skin:	May cause irritation
On the eye:	May cause irritation, redness and pain

Sensitization:

No sensitizing effects known.

Additional toxicological information:

This substance is not subject to classification. When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.

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 the 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