

MATERIAL SAFETY DATA SHEET

Product: Elastase antigen, from human neutrophils
Synonym: Elastase-2, PMN elastase, Bone marrow serine protease, Medullasin, Human leukocyte elastase, HLE
E.C. No.: 3.4.21.37
CAS Registry No.: not available
Catalog No.: ATE01-02, ATE01-05, ATE01-10

Composition Information

Chemical Formula/Composition: N/A
Physical Description: Clear, colourless liquid/frozen liquid
Stability/Reactivity: Stable. Hazardous decomposition or polymerization will not occur.

Hazard Identification(s)

Special note:

Contains human source material. No known test can offer complete assurance that infectious agents are totally absent.

Potential hazards identified with this product are those associated with the title component (Elastase antigen) and with the following buffer and stabilising components present at concentrations at which they are not normally considered to be hazardous:

Component	CAS Registry No.	Concentration
4-(2-Hydroxyethyl)-1-piperazineethanesulfonic acid (HEPES)	7365-45-9	<0.5%
Lubrol	9004-95-9	0.02%
Micr-O-protect	64-17-5 30007-47-7 2612-54-3	0.1%

Toxicological Information:

Toxicological properties have not been fully investigated. May be harmful by ingestion, inhalation or skin contact. May cause allergic or autoimmune reactions.

Storage and Handling

Store according to instructions on product and/or package insert.
All human source products should be handled using the same safety precautions employed when handling any potentially infectious material. Avoid contact with material. Wear protective equipment (protective clothing, chemical-resistant gloves, eye protection, respiratory protection) when handling. Cover existing cuts and wounds. Do not mouth pipette or use needles. Minimise splashing and creation of aerosols. Use disposable plastic-ware for handling where possible.

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Spill or Release of Material:

Wear protective equipment.
Decontaminate with biocidal agent.
Absorb liquid on dry sand, diatomite, vermiculite or other drying agent and place in closed container for disposal.
Ventilate area and wash spill site after material absorption is complete.

Waste Disposal:

Incinerate, autoclave or landfill as complies with state and local laws for biological materials.

First Aid Procedures

Substance in Contact with Skin:

Remove contaminated clothing and rinse with copious amounts of soap and water for a considerable amount of time. Seek medical aid if irritation develops or persists.

Substance has been Swallowed:

If victim is conscious rinse mouth several times with water, do not swallow. Call a physician or take victim to hospital.

Substance in Contact with Eyes:

Rinse with copious amounts of water for a considerable time. Seek medical aid if irritation develops or persists.

Substance has been Inhaled:

Take victim into the fresh air and allow to rest. Call a physician or take victim to hospital.

Additional Instructions:

Observe proper laboratory instructions when handling this material.

Fire Fighting Measures

General Information

Structural fire-fighting gear and self-contained breathing apparatus will provide adequate protection if this product is in a fire area.

Extinguishing Media

In case of fire use water spray, dry chemical, carbon dioxide, or chemical foam.

Unusual Fire and Explosion Hazards

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N/A

Disclaimer

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