

Safety Data Sheet

Sterogene Bioseparations, Inc.
1949 Kellogg Avenue
Carlsbad, CA 92008

Section 1 – Product and Company Identification

Product Name: Papain Actigel
Product Number: 6700
Supplier: Sterogene Bioseparations, Inc.
1949 Kellogg Avenue
Carlsbad, CA 92008
(760) 929-0455 (phone)
(760) 929-8720 (fax)
www.sterogene.com
Emergency Phone #: (760) 207-2765

Section 2 – Hazards Identification

Emergency Overview

No specific information is available regarding the acute toxic effects of this material for humans. This product is not classified according to EU regulations.

Section 3 – Composition/Information on Ingredient

The only hazards identified with this product are those associated with Glycerol and Sodium Acetate in the storage buffer.

Ingredient	CAS #	EC #	Conc. in Buffer
Glycerol	56-81-5	200-289-5	50%
Sodium Acetate	67-56-1	200-659-6	0.1M

Synonyms Glycerol: Glycyl Alcohol, Moon, Trihydroxypropane
Sodium Acetate: Sodium Acetate Trihydrate

Formula: Glycerol: $C_3H_8O_3$
Sodium Acetate: $C_2H_3O_2Na \cdot 3H_2O$

Molecular Weight: Glycerol: 92.09 g/mol
Sodium Acetate: 136.08 g/mol

Section 4 – First Aid Measures

If Swallowed

If swallowed and the victim is conscious, rinse mouth with water. Call a physician.

If Inhaled

If inhaled, remove person to fresh air. If breathing is difficult, administer oxygen. If victim is not breathing, administer artificial respiration.

In Case of Skin Contact

In case of contact, immediately wash skin with soap and copious amounts of water.

In Case of Eye Contact

In case of contact with eyes, flush with plenty of water for at least 15 minutes. Assure adequate flushing by separating the eyelids with fingers.

Section 5 – Fire Fighting Measures

Conditions of Flammability

Flash point: not available

Suitable Extinguishing Media

Water spray, dry chemical, Carbon dioxide or alcohol-resistant foam.

Protective Equipment

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

Specific Hazards

Emits Oxides of Carbon (CO_2 , CO) and Sodium under fire conditions.

Section 6 – Accidental Release Measures

Methods for Cleanup

Absorb with vermiculite or appropriate absorbent material and place in closed containers for disposal. Ventilate area and wash spill site after material pickup is complete. Follow all applicable federal, state and local regulations.

Section 7 – Handling and Storage

Handling-User Exposure

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

Suitable Storage

Store in a cool, dry environment in a tightly sealed container according to label instructions.

Section 8 – Exposure Controls/Personal Protection

Engineering Controls

Ensure that safety shower and emergency eye wash station are proximal to the work area. Provide exhaust ventilation when required.

Personal Protective Equipment

Respiratory	Eye
Approved vapor respirator	Chemical splash goggles or safety glasses
Hand	Skin Specific
Chemical resistant gloves	Lab coat or appropriate protective clothing

Section 9 – Physical/Chemical Properties

Physical State: Suspension

Color: White to off-white

Data on physical and chemical properties not available

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Section 10 – Stability and Reactivity

Stability

Stable under recommended storage conditions.

Materials/Conditions to Avoid

Strong oxidizers and strong bases.

Hazardous Decomposition Products

Thermal decomposition may yield oxides of Carbon (CO, CO₂) and Sodium.

Hazardous Polymerization

Hazardous polymerization will not occur

Section 11 – Toxicological Information

Potential Health Effects

Skin Contact: May cause skin irritation

Eye Contact: May cause temporary irritation, tearing and pain

Ingestion: May be harmful if swallowed.

Inhalation: May cause headache, dizziness and respiratory tract irritation.

Section 12 – Ecological Information

No data available

Section 13 – Disposal Considerations

Product

All material should be packaged, labeled, transported and disposed of in conformance with applicable federal, state and local laws and regulations.

Section 14 – Transport Information

DOT

Non-hazardous for transport.

IATA

Non-hazardous for air transport.

Section 15 – Regulatory Information

California Prop. 65

This chemical is not known to the state of California to cause cancer, birth or any other reproductive defects.

Section 16 – Other Information

Disclaimer

The information contained herein is presented in good faith and is believed to be correct as of the date prepared, but does not purport to be all inclusive. Regulatory requirements are subject to change and may differ depending on location. It is the customer's responsibility to ensure that its activities are in compliance with local, state, federal or provincial laws.

No information contained in this document is to be taken as a warranty for which Sterogene Bioseparations, Inc. bears responsibility. Sterogene shall not be held liable for any damage resulting from handling or from contact with the product. All materials may present hazards and should be used with caution. Although specific hazards are described, we cannot guarantee that these are the only hazards that exist.