



Material Safety Data Sheet

Product Category: Aqueous buffered salt solution: Accutase
Enzyme Cell Detachment Medium

Revision date: December 2010

Emergency telephone number:
Center for Disease Control: (404) 633-5313

1. IDENTIFICATION OF SUPPLIER / SUBSTANCE

eBioscience 888-810-6168
10255 Science Center Drive.
San Diego, CA
92121
USA

2. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Clear
Physical State: Liquid
Color: Red
Odor: None
Flash Point: Not determined
Auto igniting: Not determined

3. HAZARDS IDENTIFICATION

General Hazard Information: The toxicological properties of this product have not been fully investigated. This product is an irritant when in contact with skin or ingested. Always follow safe laboratory and industrial hygiene practices and wear proper personal protective equipment when handling chemicals.

Most Important Hazards:
Risk Phases:

R22 – Harmful if swallowed
R36 – Irritating to eyes
R37 – Irritating to respiratory system
R38 – Irritating to skin



NFPA Rating:
(Scale 0-4)

Health = not determined
Fire = not determined
Reactivity = not determined

Physical/Health Effects:

Not determined

Principle routes of exposure:

Oral: Yes
Eye contact: Yes
Skin contact: Yes
Ingestion: Yes
Inhalation: Yes

Carcinogenicity Rating:

Not rated

Component(s)	CAS Number	NTP:	IARC:	California Proposition 65 List
N/A	N/A	Not listed	Not listed	N/A

Signs and Symptoms:

Unknown

**Medical Conditions
Aggravated by Exposure:**

Unknown

4. COMPOSITION / COMPONENT INFORMATION

Components	CAS Number	Weight %	(TWA-8 hr)	(STEL):	(Ceiling Limit Value):	PBOEL
N/A	N/A	N/A	N/A	N/A	N/A	N/A

Exposure Limits:

Not determined

5. FIRST AID MEASURES

Eye Contact:

Irritant. Check for contact lenses and remove if present. Flush eyes with large volumes of water for at least 15 minutes. Seek medical attention if eyes remain red and/or irritated.

Ingestion:

Seek medical attention or call poison control center immediately.



Inhalation:

Remove from further exposure. If respiratory irritation, dizziness, nausea, or unconsciousness occurs, seek medical attention immediately.

Skin Contact:

Irritant. Wash contact areas thoroughly with soap and water after handling. Seek medical attention if area remains irritated. Immediately remove contaminated clothing; contaminated clothing should not be worn until after it has been properly cleaned.

Protection of First-Aid Providers

Wear appropriate self-contained breathing apparatus and protective garments.

6. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media:

Use media appropriate for site conditions.

Extinguishing media which must not be used for safety reasons:

Unknown

Special Protective Equipment:

None known. Wear self-containing breathing apparatus and protective garments appropriate for site conditions.

Specific Hazards:

None known.

Hazardous Combustion Products:

Unknown

Explosion Limits:

Lower:

Unknown

Upper:

Unknown

7. ACCIDENTAL RELEASE MEASURES

Personal Precautions:

Wash any exposed body area thoroughly with soap and water after completion of activities involving product.

Environmental Precautions:

Waste disposal must be in accordance with appropriate US, Federal, State and International regulations.

Methods for Clean Up:

Use appropriate protective equipment and methods to clean up spilled substances promptly. Absorb spill onto an appropriate material. Collect and dispose of all waste, including absorbent material used to clean spills, in accordance with applicable laws.



8. HANDLING AND STORAGE

Handling

Technical Measures/Precautions:

Provide adequate local exhaust ventilation. Wear chemical resistant gloves, and eye protection, lab coat, apron or other protective clothing to minimize contact. Eyewash stations and deluge showers should be available. Observe appropriate laboratory hygiene practices. Avoid contact with skin or eyes.

Storage

Technical Measures/Storage Conditions:

Store at 2-8°C. Do not freeze. Light sensitive material.

Incompatible Products:

Stable. See enclosed data sheet for product-specific storage information.

9. EXPOSURE CONTROL/PERSONAL PROTECTION

Exposure Limits:

Not determined

Engineering controls:

Provide adequate local exhaust ventilation.

Personal Protective Equipment:

Eye Protection:

Wear safety glasses. Eyewash stations and deluge showers should be available.

Hand Protection:

Wear chemical-resistant gloves.

Skin and Body Protection

Wear a lab coat, apron or other protective clothing to minimize contact.

Respiratory Protection:

None required if ventilation is adequate.

Other General Precautions:

None required

10. STABILITY AND REACTIVITY

Chemical Stability:

Stable under recommended storage conditions.

Hazardous Polymerization:

Unknown

Hazardous Decomposition Products:

None known

Materials to Avoid:

Unknown

Conditions to Avoid:

Unknown



11. TOXICOLOGICAL INFORMATION

Acute effects

Oral:	Not determined.
Eye irritation:	Not determined
Skin irritation:	Not determined
Inhalation:	Not determined

Chronic effects

Oral:	Not determined
Inhalation:	Not determined
Dermal:	Not determined

12. ECOLOGICAL INFORMATION

Eco-Toxicity Effects:	Unknown
Aquatic Toxicity Effects:	Unknown
Mobility:	Unknown
Persistence/degradability:	Unknown
Bioaccumulation:	Unknown
Degradation:	Unknown

13. DISPOSAL CONSIDERATIONS

Waste from Residual/Unused Products:	Waste disposal must be in accordance with appropriate US, Federal, State and International regulations.
Contaminated Packaging:	Waste disposal must be in accordance with appropriate US, Federal, State and International regulations.
Methods for Clean Up:	Use appropriate protective equipment and methods to clean up spilled substances promptly. Absorb spill onto an appropriate material. Collect and dispose of all waste in accordance with applicable laws.

14. TRANSPORT INFORMATION

Product not regulated by DOT, IATA/ICAO, IMO/IMDG, ADR/RID, or TDG.

UN number: No information available

PG: No information available



15. REGULATORY INFORMATION

Indication of Danger:

R-Phrases

- R22- Harmful if swallowed
- R36- Irritating to eyes
- R37 – Irritating to respiratory system
- R38 – Irritating to skin

S- Phrases

- S14 - Keep from long-term exposure to light.
- S28 – After contact with skin, wash thoroughly with water.

SARA (311,312) Hazard Class

Immediate Health:	None
Delayed Health:	None
Fire:	None
Sudden Release of Pressure Hazard:	None
Reactivity:	None

TSCA inventory List: Unknown

WHMIS

WHMIS Trade Secret:	None
WHMIS Hazard Class:	Not listed

Canada DSL Inventory List: Unknown

Notes:

1. SARA= Superfund Amendments and the Reauthorization Act.
2. CERCLA= Comprehensive Environmental Response, Compensations and Liability Act.
3. FIFRA= Federal Insecticide, Fungicide and Rodenticide Act.
4. TSCA= Toxic Substance Control Act.
5. WHMIS=Canadian Workplace Hazardous Material Information System.
6. This product has been classified in accordance with the hazards criteria of the Controlled Products Regulations (CPR) and the MSDS contains all of the information required by the CPR.

16. OTHER INFORMATION

This data sheet contains changes from the previous version in section(s): N/A



Additional Advice:

None

Literary Reference:

None

MSDS Formats:

North American Format- U.S. and Canada
This Material Safety Data Sheet was prepared in accordance with OSHA 29 CFR 1910.1200.

European Format
This material Data Sheet was prepared in accordance with 93/112/EEC.

Test of R Phrases

Unknown

Disclaimer:

The information and recommendations contained herein are based upon tests believed to be reliable. However, eBioscience does not guarantee their accuracy or completeness NOR SHALL ANY OF THIS INFORMATION CONSTITUTE A WARRANTY, WHETHER EXPRESSED OR IMPLIED, AS TO THE SAFETY OF THE GOODS, THE MERCHANTABILITY OF THE GOODS, OR THE FITNESS OF THE GOODS FOR A PARTICULAR PURPOSE. Adjustments to conform to actual conditions of usage may be required. eBioscience assumes no responsibility for results obtained or for incidental or consequential damages, including lost profits arising from the use of these data. No warranty against infringement of any patent, copyright or trademark is made or implied.