

SAFETY DATA SHEET

Section 1 – Identification

Product Name Accutase® Cell Detachment Solution

Recommended Use Research use only.

Catalog No. 423201

Company BioLegend
Street Address 9727 Pacific Heights Blvd
City, State, Zip, Country San Diego, CA 92121 US

Phone +1-858-455-9588
Emergency Number In case of a chemical emergency, spill, fire, or exposure,
+1-858-455-9588 (7:00AM – 5:00PM PDT, M-F)

Principal demands according to Art. 32 REACH

Registration number(s) --

Authorization none

Restrictions none

Section 2 – Hazards Identification

2.1 Hazard Classification

Not classified

2.2 GHS Label elements, including precautionary statements

Pictogram None

Signal Word None

Hazard Statement None

Precautionary Statement None

Section 3 – Composition/Information on Ingredients

Component	CAS	EINECS	Concentration
Proprietary formulation of enzymes, water, phosphate buffered saline, and phenol red	N/A	N/A	--

Section 4 – First Aid Measures

4.1 Description of first aid measures

General information: The chemical, physical, and toxicological properties of this product have not been thoroughly investigated.

After inhalation: Move to fresh air. If breathing is difficult/has stopped, give artificial.

After skin contact: Immediately remove contaminated clothes, and wash with soap and copious amounts of water.

After eye contact: Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the eye lids to ensure thorough rinsing.

After swallowing: Wash mouth out with water if person is conscious. Seek medical attention.

Section 5 – Fire-Fighting Measures

5.1 Suitable extinguishing agents: CO₂, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

5.2 Special hazards caused by the material, its products of combustion or resulting gases: During heating or in case of fire, carbon dioxide and carbon monoxide may be produced.

5.3 Special protective equipment and precautions for fire-fighters: Wear protective clothing and self-contained breathing apparatus.

Hazardous combustion materials: No data available.

Section 6 – Accidental Release Measures

6.1 Personal precautions, protective equipment, and emergency procedures: Wear respirator, chemical safety goggles, rubber boots, and heavy rubber gloves.

6.2 Environment precautions: N/A.

6.3 Measures for cleaning/collecting: Absorb with sand or vermiculite. Wash spill site after material is picked up.

6.4 Additional information:

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

Section 7 – Handling and Storage

7.1 Information for safe handling: Keep container tightly closed when not in use.

7.2 Conditions for safe storage, including any incompatibilities: Suitable for general chemical storage area.

Section 8 – Exposure controls/personal protection

8.1 Exposure Limits

Unknown.

8.2 Exposure Controls

Engineering Controls

Use only with adequate (local exhaust) ventilation or fume hood.

Personal protective equipment

General protective and hygienic measures

Keep away from foodstuffs, beverages, and feed.

Wash hands, face, and exposed forearms/areas after handling.

Wash contaminated clothing before reusing.

Ensure eyewash stations and safety showers are in close proximity to workstation.

Breathing equipment: Not required.

Protection of hands: Chemical resistant gloves.

Eye protection: Safety goggles.

Body protection: Protective work clothing (lab coat).

Section 9 – Physical and Chemical Properties

Appearance	Pale red, clear liquid
Odor	No characteristic odor
Odor Threshold	Not Available
pH	7.0-7.5 Odor Threshold (PPM): N/D
Melting point/freezing point	N/D Vapor Density (AIR = 1): N/D
Boiling point	N/D Vapor Pressure (MMHG): < 1
Flash point	No Data Available
Evaporation rate	No Data Available
Flammability	No Data Available
Upper explosion limit	No Data Available
Lower explosion limit	No Data Available
Vapor pressure	No Data Available
Vapor density	No Data Available
Relative density	No Data Available
Solubility	Appreciable (100%) % Volatiles by Volume: -0- (21C)
Partition coefficient	No Data Available
Auto-ignition temperature	No Data Available
Decomposition temperature	No Data Available
Viscosity	No Data Available
Explosive Properties	No Data Available
Oxidizing Properties	No Data Available

Section 10 – Stability and Reactivity

10.1 Reactivity

No data available

10.2 Chemical stability

Stable under normal temperatures and pressures.

10.3 Possibility of hazardous reactions

No data available

10.4 Conditions to avoid

No data available

10.5 Incompatible materials

N/A

10.6 Hazardous decomposition products

None known.

10.5 Additional information

Hazardous polymerization will not occur.

Section 11 – Toxicological Information

11.1 Information on toxicological effects

Routes of Entry	Ingestion, inhalation, skin and eye contact.
Acute Toxicity	Rat LD50 Not Determined
Skin Corrosion/Irritation	Contact may cause skin irritation
Serious eye damage/irritation	Contact may cause eye irritation
Respiratory or skin sensitization	No data available
Germ cell mutagenicity	No data available
Carcinogenicity	Not Identified
Reproductive toxicity	No data available
STOT-single exposure	No data available
STOT-repeated exposure	No data available
Aspiration hazard	No data available

Section 12 – Ecological Information

Environmental Toxicity	No data available
Aquatic Toxicity	No data available
Persistence and degradability	No data available
Bioaccumulative potential	No data available
Mobility in soil	No data available
Results of PBT and vPvT assessment	No data available

Section 13 – Disposal Considerations

Minimize waste as much as possible.
Disposal must be made according to state and federal regulations.

Section 14 – Transport Information

DOT (Ground)

Not regulated

IMDG

Not regulated

IATA

Not regulated

ADR

Not regulated

ADN

Not regulated

RID

Not regulated

Section 15 – Regulatory Information

15.1 Product related hazard information: The product has been classified and marked in accordance with regulations on hazardous materials.

Section 16 – Other information

Revision Date: September 10th, 2013

To the best of our knowledge, the information contained herein is accurate. However, neither BioLegend, 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: Safety & Environment Department
Contact: Technical Service Representative