



Safety Data Sheet

Accutase® Cell Detachment Solution

Catalog # 400-158

Section 1: Identification

Product Name:

Accutase® Cell Detachment Solution

Catalog Number:

400-158

Company:

Gemini Bio-Products
930 Riverside Parkway Suite 50
West Sacramento, CA 95605

Telephone:

(800) 543-6464

Fax:

(916) 273-5221

Emergency:

(800) 543-6464

Identified Usages: Laboratory Chemical. For research use only. Not intended for human or animal diagnostic or therapeutic uses.

Section 2: Hazards

GHS – Classification:

Not a hazardous substance or mixture.

Signal Word:

None

Health Hazard:

Not classified

Physical Hazards:

Not classified

Principal Routes of Exposure / Potential Health Effects:

Eyes	May cause eye irritation with susceptible persons
Skin	May cause skin irritation with susceptible persons
Inhalation	May be harmful by inhalation

Ingestion May be harmful if swallowed

Special Effects:

Carcinogenic Effects none
Mutagenic Effects none
Reproductive Effects none
Sensitization none

Target Organ Effects:

No known effects under normal use conditions

HMIS Rating:

Health	0
Flammability	0
Reactivity	0

NFPA Rating:

Health Hazard	0
Fire Hazard	0
Reactivity Hazard	0

Section 3: Composition/Ingredients

The product contains no substances which at their given concentration, are considered to be hazardous to health. We recommend handling all chemicals with caution.

Section 4: First Aid Measures

Skin contact:

Rinse with plenty of water. If symptoms arise, call a physician.

Eye contact:

Rinse immediately with plenty of water, also under eyelids, for at least 15 minutes. If symptoms persist, call a physician.

Ingestion:

Never give anything by mouth to an unconscious person. If symptoms persist, call a physician. Do not induce vomiting without medical advice.

Inhalation:

Move to fresh air. If symptoms persist, call a physician. If not breathing, give artificial respiration.

Notes to physician:

Treat symptomatically.

Most Important symptoms and effects, both acute and delayed:

Not applicable

Section 5: Fire-Fighting Measures

Extinguishing Media:

Water spray. Carbon dioxide (CO2). Foam. Dry chemical.

Hazardous Combustion or Decomposition Products:

Not known

Special Fire Fighting Procedures:

Wear self-contained breathing apparatus and protective suit.

Section 6: Accidental Release Measures

Personal Precautions, protective equipment, and emergency procedures:

Use personal protective equipment. Avoid breathing and inhaling of the material.

Methods for clean up:

Soak up with inert absorbent material.

Environmental precautions:

No special environmental precaution required. Prevent further leakage or spillage if safe to do so.

See section 12 for additional information.

Section 7: Handling and Storage

Handling:

Always wear recommended Personal Protective Equipment. No special handling advice required.

Storage:

Store in tightly closed containers and in well ventilated areas. Keep at -20 °C until defrosted, then 4-6 °C.

Specific end usage:

Apart from usage mentioned in section 1, no other specific usage is recommended.

Section 8: Exposure Controls/Personal Protection

Exposure limit:

We are not aware of any national exposure limit.

Engineering measures:

Ensure adequate ventilation, especially in confined areas.

Personal protective equipment:

Personal Protective Equipment requirements are dependent on the user institution's risk assessment and are specific to the risk assessment for each laboratory where this material may be used.

Respiratory protection	None required.
Hand protection	Handle with gloves. Gloves must be inspected prior to use. Wash and dry hands after use.
Eye protection	Wear safety glasses with side shields.
Skin and body protection	Use light weight protective clothing.
Hygiene measures	Handle in accordance with good industrial hygiene and safety practice.

Environmental exposure controls:

None required

Section 9: Physical and Chemical Characteristics

General Information:

Form	Liquid
Appearance	Clear Red defrosted/ Yellow when frozen.
Odor	No odor
Odor threshold	No data available
pH	6.8 – 7.8

Boiling point/ Range	100°C	212°F	
Melting point/ Range	0°C	32°F	
Flash point	°C no data available		°F no data available
Autoignition temperature	°C no data available		°F no data available
Oxidizing properties	No information available		
Evaporation rate	No data available		
Flammability	No data available		
Exposure limit	No data available		
Vapor pressure	No data available		
Vapor density	No data available		
Relative density	No data available		
Water solubility	Soluble in water		
Partition Coefficient	No data available		
Decomposition temp	No data available		
Viscosity	No data available		
Explosive properties	No data available		

Section 10: Stability and Reactivity

Stability:

Stable when stored in freezer at -20°C or in refrigerator at 2 to 8 °C

Reactivity:

No data available

Materials to Avoid:

No dangerous reactions known under conditions normal of use

Possibility of Hazardous decomposition:

None under normal use

Conditions to Avoid:

No data available

Incompatible material:

No data available

Hazardous Polymerization:

Does not occur.

Section 11: Toxicological Information

Acute Toxicity:

No toxicology information is available.

Principle Routes of Exposure/ Potential Health effects:

Eyes	May cause eye irritation with susceptible persons.
Skin	No data available
Inhalation	May be harmful by inhalation.
Ingestion	May be harmful if swallowed
Carcinogenic effects	No data available
Mutagenic effects	No data available
Reproductive Toxicity	No data available
Sensitization	No data available
Target Organ Effects	No known effects under normal use conditions.

Section 12: Ecological Information

Ecotoxicity effects:

Contains no substances known to be hazardous to the environment or not degradable in waste water treatment plants.

Mobility:

No information available.

Biodegradation:

No information available.

Bioaccumulation:

No information available.

Section 13: Disposal Considerations

Disposal:

Dispose of contents and containers in accordance with local regulations.

Section 14: Transport Information

IATA

Proper shipping name	Not classified as dangerous in the meaning of transportation regulations
Hazard class	None
Subsidiary class	None
Packing group	None
UN-No	None
Environmental hazards	None

Section 15: Regulatory Information

U.S. Federal Regulations

SARA 302 Components

No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302

SARA 313 Components

This product is not regulated by SARA. No chemical component of this material with known CAS numbers that exceeds the threshold reporting levels established by SARA Title III, section 313

Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61)

This product does not contain HAPs.

U.S. State Regulations California Proposition 65

This product does not contain chemicals listed under proposition 65

WHMIS Hazard Class

Non-controlled

This product has been classified according to the hazard criteria of the CPR and the SDS contains all of the information required by the CPR.

Section 16: Other Information

For research use only. Not intended for human or animal diagnostic or therapeutic uses.

The above information was acquired by diligent search and/or investigation and the recommendations are based on the prudent application of professional judgment. The information shall not be taken as being all inclusive and is to be used only as a guide. All materials and mixtures may present unknown hazards and should be used with caution. Since the Company cannot control the actual methods, volumes, or conditions of use, the Company shall not be held liable for any damages or losses resulting from the handling or from contact with the product as described herein. THE INFORMATION IN THIS (M)SDS DOES NOT CONSTITUTE A WARRANTY, EXPRESSED OR IMPLIED, INCLUDING ANY IMPLIED WARRANTY OR MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE.

End of Safety Data Sheet