SAFETY DATA SHEET

1. Identification of the substance/mixture and of the company /undertaking

1.1 Identification of the substance/preparation

Product code **AT-107**
Product name **Accutase® GMP**

Accutase is an internationally registered trademark of Innovative Cell Technologies, Inc.

1.2 Company/Undertaking Identification

Innovative Cell Technologies, Inc.
6790 Top Gun St., Suite 1
San Diego, CA 92121 USA
1 858 587 1716

1.3 Emergency Response: +1-858-587-1716

1.4 Identified usages: Laboratory Chemical. For research or further manufacturing use only. Not intended for human or animal diagnostic or therapeutic uses.

2. Hazards Identification

2.1 GHS – Classification:

Not a hazardous substance or mixture.

2.2 Signal Word

None

2.3 Health Hazard

Not classified

2.4 Physical Hazards

Not classified

2.5 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

2.6 Specific Effects

Carcinogenic Effects	none
Mutagenic Effects	none
Reproductive Effects	none
Sensitization	none

2.7 Target Organ Effects No known effects under normal use conditions

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Health	0
Flammability	0
Reactivity	0

2.9 NFPA rating

Health Hazard	0
Fire Hazard	0
Reactivity Hazard	0

3. Composition/Information on 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.

4. First Aid measures

4.1 Skin contact: Rinse with plenty of water. If symptoms arise, call a physician.
4.2 Eye contact: Rinse immediately with plenty of water, also under eyelids, for at least 15 minutes. If symptoms persist, call a physician.
4.3 Ingestion: Never give anything by mouth to an unconscious person. If symptoms persist, call a physician. Do not induce vomiting without medical advice.
4.4 Inhalation: Move to fresh air. If symptoms persist, call a physician. If not breathing, give artificial respiration.
4.5 Notes to physician: Treat symptomatically.
4.6 Most Important symptoms and effects, both acute and delayed: Not applicable

5. Fire-Fighting measures

5.1 Suitable extinguishing media: Water spray. Carbon dioxide (CO_2). Foam. Dry chemical.
5.2 Special protective equipment for firefighters: Wear self-contained breathing apparatus and protective suit.
5.3 Specific hazards arising from chemicals: Not Known
5.4 Further Information: No data available

6. Accidental release measures

6.1 Personal Precautions, protective equipment, and emergency procedures
Use personal protective equipment. Avoid breathing and inhaling of the material.
6.2 Methods for cleaning up Soak up with inert absorbent material.
6.3 Environmental precautions: No special environmental precaution required. Prevent further leakage or spillage if safe to do so.

See section 12 for additional information.

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7. Handling and storage

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

7.2 Storage Store in tightly closed containers and in well-ventilated areas. Keep at 2-8˚C refrigerator.

7.3 Specific end usage Apart from usage mentioned in section 1.4, no other specific usage is recommended.

8. Exposure controls/personal protection

8.1 Exposure limit: We are not aware of any national exposure limit.

8.2 Engineering measures Ensure adequate ventilation, especially in confined areas

8.3 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.

8.4 Environmental exposure controls None required.

9. Physical and chemical properties

9.1 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	100C	212F
Melting point/Range	0C	32F
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	
Explosive limit	No data available	
Vapour pressure	No data available	
Vapour density	No data available	
Relative density	No data available	

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uble in water

Partition Coefficient	No data available
Decomposition temp	No data available
Viscosity	No data available
Explosive properties	No data available

9.2 Other Safety Information
No data available

10. Stability and Reactivity

Stability	Stable when stored 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
Polymerization	Hazardous polymerization does not occur

11. Toxicological information

11.1 Acute toxicity

No toxicology information is available.

11.2 Principal 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.

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

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13. Disposal considerations

Dispose of contents and containers in accordance with local regulations.

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

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 MSDS contains all of the information required by the CPR.

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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 WARRENTY, EXPRESSED OR IMPLIED, INCLUDING ANY IMPLIED WARRANTY OR MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE.

End of Safety Data Sheet

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