



SAFETY DATA SHEET

This safety data sheet was created pursuant to the requirements of: Regulation (EC) No. 1907/2006 and Regulation (EC) No. 1272/2008

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

1.1 Identification of the substance/preparation

Product code AT-104

Product name Accutase®

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

Distributed by:

STEMCELL Technologies SARL
40 Rue des Berges, Miniparc Polytec, Bâtiment Sirocco, 38000 Grenoble, France
+33 (0) 4 76 04 75 30

STEMCELL Technologies Germany GmbH
Stolberger Str. 200, 50933, Köln, Germany
+33 (0) 4 76 04 75 30

STEMCELL Technologies UK Ltd.

Building 7100, Cambridge Research Park, Beach Drive, Waterbeach, Cambridge, UK, CB25 9TL
+33 (0) 4 76 04 75 30

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

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

2. Hazards Identification

2.1 GHS – Classification: Regulation (EC) No 1272/2008

This mixture is classified as not hazardous according to regulation (EC) 1272/2008 [CLP]

2.2. Label elements

This mixture is classified as not hazardous according to regulation (EC) 1272/2008 [CLP]

Hazard statements

This mixture is classified as not hazardous according to regulation (EC) 1272/2008 [CLP]

2.3 Signal Word

None

2.4 Health Hazard

Not classified

2.5 Physical Hazards

Not classified

2.6 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

2.7 Specific Effects

Carcinogenic Effects	none
-----------------------------	------



Mutagenic Effects	none
Reproductive Effects	none
Sensitization	none

2.8 Target Organ Effects No known effects under normal use conditions

2.9 HMIS Rating

Health	0
Flammability	0
Reactivity	0

2.10 NFPA rating

Health Hazard	0
Fire Hazard	0
Reactivity Hazard	0

2.11 Other hazards

No information available

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. This mixture is classified as not hazardous according to regulation (EC) 1272/2008 [CLP].

Full text of H- and EUH-phrases: see section 16

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 (CO₂). 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.

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 -20°C until defrosted, then 4-6°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: This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies

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

Revision Date: January 16, 2019
Product code AT104

Page 3 | of 6
Product Name: Accutase™



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	
Water solubility	Soluble 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 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
Polymerization	Hazardous polymerization does not occur

11. Toxicological information

11.1 Acute toxicity

No toxicology information is available.

11.2 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**
Target Organ Effects

No data available
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

13. Disposal considerations

Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.

14. Transport information**IMDG**

- 14.1 UN Number** Not regulated
- 14.2 UN proper shipping name** Not regulated
- 14.3 Transport hazard class(es)** Not regulated
- 14.4 Packing Group** Not regulated
- 14.5 Marine pollutant** Not applicable
- 14.6 Special Provisions** None
- 14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code**

RID

- 14.1 UN Number** Not regulated
- 14.2 UN proper shipping name** Not regulated
- 14.3 Transport hazard class(es)** Not regulated
- 14.4 Packing Group** Not regulated
- 14.5 Environmental hazard** Not applicable
- 14.6 Special Provisions** None

ADR

- 14.1 UN Number** Not regulated
- 14.2 UN proper shipping name** Not regulated
- 14.3 Transport hazard class(es)** Not regulated
- 14.4 Packing Group** Not regulated
- 14.5 Environmental hazard** Not applicable
- 14.6 Special Provisions** None

IATA Not regulated



- 14.1 UN Number** Not regulated
14.2 UN proper shipping name Not regulated
14.3 Transport hazard class(es) Not regulated
14.4 Packing Group Not regulated
14.5 Environmental hazard Not applicable
14.6 Special Provisions None

15. Regulatory information

European Union

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work

Authorizations and/or restrictions on use:

This product does not contain substances subject to authorization (Regulation (EC) No. 1907/2006 (REACH), Annex XIV) This product does not contain substances subject to restriction (Regulation (EC) No. 1907/2006 (REACH), Annex XVII)

Persistent Organic Pollutants

Not applicable

Ozone-depleting substances (ODS) regulation (EC) 1005/2009 Not applicable

International Inventories

TSCA Does not comply

DSL/NDL Does not comply

EINECS/ELINCS Does not comply

ENCS Does not comply

IECSC Does not comply

KECL Does not comply

PICCS Does not comply

AICS Does not comply

Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDL - Canadian Domestic Substances List/Non-Domestic Substances List

EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

ENCS - Japan Existing and New Chemical Substances

IECSC - China Inventory of Existing Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances

PICCS - Philippines Inventory of Chemicals and Chemical Substances

AICS - Australian Inventory of Chemical Substances

15.2. Chemical safety assessment

Chemical Safety Report No information available

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.

16. Other information**Reason for Revision**
Regulation (EC) No. 1907/2006.

SDS sections updated. This material safety data sheet complies with the requirements of

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