

Safety Data Sheet

Accutase □□□□□ - 500 ml | 830500



Section 1: identification of the mixture and of the company/undertaking

1.1. Product identifier: Various cell culture media supplied by Cytion GmbH. Cytion Catalog Number: Various
Relevant identified uses of the mixture and uses advised against:

- For in vitro research use only.
- For professional, industrial use.
- Not for use in human, therapeutic, or diagnostic applications.

1.2. Details of the supplier of the safety data sheet:

German Headquarters:

- **Company name:** Cytion GmbH
- **Address:** Dr.-Eckener-Str. 8, 69214 Eppelheim, Germany
- **Telephone:** +49 (0)6221-40578-0
- **Email:** info@cytion.com
- **Responsible person:** Jonathan Steubing

US Office:

- **Company name:** Cell Lines Service LLC, d/b/a Cytion
- **Address:** 6330 S Western Ave #140, Sioux Falls, SD 57108, United States
- **Telephone:** +1 605-800-7310
- **Email:** contact@us.cytion.com
- **Responsible person:** Oliver Goernhardt

Emergency telephone numbers:

- Germany: +49 6221-405-780
- United States: +1 605-800-7310

Section 2: hazards identification

2.1. Classification of the mixture:

- Categorized as noninfectious and non-toxic
- **GHS Symbol:** NA
- **Signal Word:** NA
- **HMIS Rating:**
 - Health: 0
 - Flammability: 0
 - Reactivity: 0
- **NFPA Rating:**
 - Health: 0
 - Flammability: 0
 - Reactivity: 0
- **Biological Hazards:** NA
- **Chemical Hazards:** NA
- **Physical Hazards:** NA
- **Classification according to Regulation (EC) No 1272/2008 (CLP):**

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Eye Contact:

- Flush eyes immediately with water for 10-15 minutes.

4.2. Most important symptoms and effects, both acute and delayed:

- See Section 11.

4.3. Indication of any immediate medical attention and special treatment needed:

- No special treatment needed; treat symptomatically.
- If exposed or concerned, report to your Safety Officer and seek medical advice immediately.

Section 5: firefighting measures

5.1. Extinguishing media:

5.1.1. Suitable extinguishing media:

- Choose extinguishing media depending on the surrounding fire.

5.1.2. Unsuitable extinguishing media:

- No data available.

5.2. Special hazards arising from the substance or mixture:

- During a fire, irritating and toxic gases may be generated by thermal decomposition. The inhalation of such combustion products can have serious adverse effects on health.

5.3. Advice for firefighters:

- Wear full protective clothing and self-contained breathing apparatus.

Section 6: accidental release measures

6.1. Personal precautions, protective equipment, and emergency procedures:

6.1.1. For non-emergency personnel:

- Allow only well-trained experts wearing suitable protective clothing to remain in the accident area.

6.1.2. For emergency responders:

- Use personal protective equipment when working with cell lines, including safety glasses, laboratory gloves, and appropriate laboratory clothing to prevent skin exposure.
- Do not open primary containers if not authorized.

6.2. Environmental precautions:

- Dispose of spillage and resulting waste according to applicable environmental regulations.
- Do not allow the product or resulting waste to enter sewers, soil, or surface/groundwater.
- Notify respective authorities immediately in case of environmental pollution.

6.3. Methods and material for containment and cleaning up:

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- Clean contaminated surfaces thoroughly.
- Autoclave before disposal into appropriate containers.
- If spilled, follow appropriate cleaning procedures.
- Use absorbent material and disinfect.
- Wash contaminated clothing separately.
- Wash with soap and water.
- Additional personal protective equipment for cleaning may be mandatory.

6.4. Reference to other Sections:

- For further and detailed information, see Sections 8 and 13.

Section 7: handling and storage

7.1. Precautions for safe handling:

- Observe conventional hygiene precautions.
- Handle and store according to instructions on the product information sheet.

Technical measures:

- Follow established laboratory procedures when handling.
- Open only under a sterile workbench.
- Wear protective equipment.
- Handle as if containing infectious material.

Precautions against fire and explosion:

- No special measures required.

7.2. Conditions for safe storage, including any incompatibilities:

Technical measures and storage conditions:

- Handle and store according to instructions on the product information sheet.
- Keep bottles tightly closed in a dry place.
- Store at +2-8°C.

Incompatible materials:

- See Section 10.5.

Packaging material:

- No special prescriptions.

7.3. Specific end use(s):

- For in vitro research use only.
- For professional, industrial use.
- Not intended for clinical or diagnostic applications.

Section 8: exposure controls/personal protection

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Parameter	Value / Test Method / Remarks
pH	No data*
Melting point/freezing point	No data*
Initial boiling point and boiling range	No data*
Flash point	No data*
Evaporation rate	No data*
Flammability (solid, gas)	No data*
Upper/lower flammability or explosive limits	No data*
Vapour pressure	No data*

| Vapour density | No data // *Relative density* / No data | | Solubility(ies) | No data // *Partition coefficient: n-octanol/water* / No data | | Auto-ignition temperature | No data // *Decomposition temperature* / No data | | Viscosity | No data // *Explosive properties* / No data | | Oxidizing properties | No data* |

9.2. Other information:

Chemical Properties:

- Cell culture media are clear transparent or yellow to red liquids (pH 6-8), containing inorganic salts, vitamins, amino acids, carbohydrates, other nutrients, and phenol red (except transparent liquids, phenol-red-free) dissolved in water.
- Ready-to-use media may contain FBS.

*: The manufacturer did not carry out any tests on this parameter for the product or the results of the tests are not available at the time of publication of the data sheet.

Section 10: stability and reactivity

10.1. Reactivity:

- No reactivity known.

10.2. Chemical stability:

- Stable under normal conditions.

10.3. Possibility of hazardous reactions:

- Hazardous polymerization: will not occur.

10.4. Conditions to avoid:

- No conditions to avoid known.

10.5. Incompatible materials:

- No incompatible materials known.

10.6. Hazardous decomposition products:

- No hazardous decomposition products known.

Section 11: toxicological information

11.1. Information on toxicological effects:

- **Acute toxicity:** Based on available data, the classification criteria are not met.
- **Skin corrosion/irritation:** Based on available data, the classification criteria are not met.
- **Serious eye damage/irritation:** Based on available data, the classification criteria are not met.
- **Respiratory or skin sensitization:** Based on available data, the classification criteria are not met.
- **Germ cell mutagenicity:** Based on available data, the classification criteria are not met.
- **Carcinogenicity:** Based on available data, the classification criteria are not met.
- **Reproductive toxicity:** Based on available data, the classification criteria are not met.
- **STOT-single exposure:** Based on available data, the classification criteria are not met.
- **STOT-repeated exposure:** Based on available data, the classification criteria are not met.
- **Aspiration hazard:** Based on available data, the classification criteria are not met.

11.1.1. Summaries of the information derived from the test conducted:

- No data available.

11.1.2. Relevant toxicological properties:

- **Toxicity data for DMSO:**
 - ORL-RAT LD50 14500 mg kg-1
 - ORL-MAM LD50 21400 mg kg-1
 - IVN-MAN TDLO 686 mg kg-1
 - IPR-RAT LD50 8200 mg kg-1
 - IVN-MUS LD50 3100 mg kg-1
 - ORL-BWD LD50 100 mg kg-1
 - IVN-DOG LD50 2500 mg kg-1

11.1.3. Information on likely routes of exposure:

- Ingestion, inhalation, skin contact, eye contact.

11.1.4. Symptoms related to the physical, chemical, and toxicological characteristics:

- No data available.

11.1.5. Delayed and immediate effects as well as chronic effects from short and long-term exposure:

- No data available.

11.1.6. Interactive effects:

- No data available.

11.1.7. Absence of specific data:

- The toxicological properties have not been fully reported.

11.1.8. Other information:

- No toxic or exposure data available for cell lines; however, general protection procedures apply.

- Concerning the Registration, Evaluation, Authorisation, and Restriction of Chemicals (REACH), establishing a European Chemicals Agency.
- **REGULATION (EC) No 1272/2008:**
 - On classification, labelling, and packaging of substances and mixtures.
- **COMMISSION REGULATION (EU) No 2015/830:**
 - Amending Regulation (EC) No 1907/2006 on the Registration, Evaluation, Authorisation, and Restriction of Chemicals (REACH).
- All necessary licenses for import, holding, transfer, and export are in place from Cytion. The recipient must provide evidence of permits and licenses required by law for receiving and handling. Substances are for research use only.

15.2. Chemical safety assessment:

- No information.

Section 16: other information

Information regarding the revision of the safety data sheet:

- No information.

Literature references/data sources:

- Safety data sheet issued by the manufacturer (October 2020, English).

Methods used for the classification according to Regulation (EC) No 1272/2008:

- Not considered a hazardous mixture.

Relevant hazard statements (code and full text) of Sections 2 and 3:

- **H301:** Toxic if swallowed.
- **H311:** Toxic in contact with skin.
- **H319:** Causes serious eye irritation.
- **H335:** May cause respiratory irritation.

Training advice:

- No data available.

Full text of the abbreviations in the safety data sheet:

- **ADN:** The European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways.
- **ADR:** The European Agreement concerning the International Carriage of Dangerous Goods by Road.
- **ATE:** Acute Toxicity Estimate.
- **AOX:** Adsorbable organic halides.
- **BCF:** Bioconcentration factor.
- **BOD:** Biological Oxygen Demand.
- **CAS number:** Chemical Abstract Service number.
- **CLP:** Regulation (EC) No 1272/2008 on classification, labelling, and packaging of substances and mixtures.
- **CMR effects:** Carcinogenic, mutagenic, reprotoxic effects.
- **COD:** Chemical Oxygen Demand.

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regarding the interpretation of the safety data sheet, please contact +36 70 335 8480; info@msds-europe.com. The information, data, and recommendations contained herein are provided in good faith, obtained from reliable sources, and believed to be true and accurate as of the date issued. However, no representation is made as to the comprehensiveness of the information. This MSDS should be used only as a guide for handling the product; while handling and using the product, other considerations may arise or be required. Users are cautioned to determine the appropriateness and applicability of the above information to their circumstances and purposes and assume all risks associated with the use of this product. It is the responsibility of the user to fully comply with local, national, and international regulations concerning the use of this product. Biological material may be hazardous and should be used with caution. Cytion GmbH shall not be held liable for any damage resulting from handling or contact with the product.