

# SAFETY DATA SHEET

In accordance with 1907/2006 annex II and 1272/2008  
(All references to EU regulations and directives are abbreviated into only the numeric term)  
Revision date 2025-03-21  
Replaces SDS issued 2021-12-17  
Version number 5.0

## SECTION 1: Identification of the substance/mixture and of the company/undertaking

### 1.1. Product identifier

Trade name	Glycerine tech
CAS No	56-81-5
EC No	200-289-5

### 1.2. Relevant identified uses of the substance or mixture and uses advised against

Identified uses	Intermediate
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### 1.3. Details of the supplier of the safety data sheet

Company	Adesso BioProducts AB Verkmästarvägen 10 SE-444 23 Stenungsund Sweden
Telephone	+46 303 697 44
E-mail	info@adessobioproducts.se

### 1.4. Emergency telephone number

Phone number for emergencies: 999 or 112. The numbers are available 24/7.

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

Upon assessment, this substance is not classified as hazardous according to 1272/2008

### 2.2. Label elements

Hazard pictogram	Not applicable
Signal word	Not applicable
Hazard statement	Not applicable

### 2.3. Other hazards

This product does not contain any substances that are assessed to be a PBT or a vPvB

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

Constituent	Classification	Concentration
<b>GLYCEROL</b>		
CAS No: 56-81-5 EC No: 200-289-5		97 - 100 %
<b>METHANOL</b>		
CAS No: 67-56-1 EC No: 200-659-6 Index No: 603-001-00-X REACH: 01-2119433307-44	Flam. Liq. 2, Acute Tox. 3, Acute Tox. 3, Acute Tox. 3, STOT SE 1; H225, H311, H301, H331, H370 <i>Specific concentration limits and acute toxicity estimates (ATE):</i> STOT SE 1, H370: $C \geq 10 \%$ STOT SE 2, H371: $3 \leq C < 10 \%$	<0.3 %

Explanations to the classification and labelling of the ingredients are given in Section 16e. Official abbreviations are printed in normal font. Text in italics are specifications and/or complements used in the calculation of the classification of this mixture, see Section 16b.

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

#### Generally

In case of concern, or if symptoms occur, call a doctor/physician.

Never attempt to administer liquid, or anything else, to an unconscious person via the mouth.

#### Upon breathing in

Fresh air and rest. If symptoms persist seek medical advice.

Case of respiratory arrest give artificial respiration.

#### Upon eye contact

Rinse the eye for several minutes with lukewarm water. If irritation persists call a doctor/ophthalmologist.

#### Upon skin contact

Remove contaminated clothing.

Wash the skin with soap and water.

If symptoms occur, contact a physician.

#### Upon ingestion

Rinse nose, mouth and throat with water.

Get medical attention if you feel unwell.

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

No further relevant information available.

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

Symptomatic treatment.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

#### Recommended extinguishing agents

Extinguish with water mist, powder, carbon dioxide or alcoholresistant foam.

#### Unsuitable extinguishing agents

May not be extinguished with water dispersed under high pressure.

### 5.2. Special hazards arising from the substance or mixture

In case of fire, substances hazardous to health, or substances harmful in other respects, may be dispersed.

### 5.3. Advice for firefighters

Protective measures to be taken with regard to other materials at the scene of the fire.

In case of fire use proper breathing apparatus.

Wear full protective clothing.

## SECTION 6: Accidental release measures

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

Keep unauthorized and unprotected people at a safe distance.

Avoid inhalation and exposure to skin and eyes.

Note that there is a risk of slipping if product is leaking/spilling.

Ensure good ventilation.

Use recommended safety equipment, see section 8.

### 6.2. Environmental precautions

Avoid release to drains, soil or watercourses.

### 6.3. Methods and material for containment and cleaning up

Absorb the liquid with an inert absorbent, vermiculite, for example. Collect the material for disposal at a waste disposal facility.

Clean contaminated area with suitable detergent.

### 6.4. Reference to other sections

See section 8 and 13 for personal protection equipment and disposal considerations.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

- Take the necessary preventive and protective measures for safe handling.
- Avoid inhalation and contact with skin and eyes.
- Work in order to avoid spillage. If spillage does occur, address it immediately in accordance with the directions specified in Section 6 of this safety data sheet.
- Store this product separately from food items and keep it out of the reach of children and pets.
- Do not eat, drink or smoke in premises where this product is handled.
- Wash your hands after using the product.
- Remove contaminated clothing.
- Wash contaminated clothing before reuse.
- Keep away from incompatible products.
- Use recommended safety equipment, see section 8.
- Implement appropriate engineering controls if necessary, see Section 8.

### 7.2. Conditions for safe storage, including any incompatibilities

- The product should be stored in a manner which prevents hazards to health and the environment. Avoid exposure to humans and animals and do not discharge the product in a sensitive environment.
- Take the necessary preventive and protective measures for safe storage.
- Keep out of reach for children.
- To be stored away from food and animal fodder and away from devices or surfaces that are in contact with those items.
- Store tightly, in original packaging.
- Always use sealed and visibly labeled packages.
- Store in dry and cool area.
- Store in a well-ventilated space.
- Do not store close to incompatible materials (see section 10.5).

### 7.3. Specific end use(s)

- See identified uses in Section 1.2.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### 8.1.1. National limit values

##### GLYCEROL

United Kingdom (EH40/2005)

Time-weighted-average exposure limit (TWA) 10 mg/m<sup>3</sup> (mist)

##### METHANOL

United Kingdom (EH40/2005)

Time-weighted-average exposure limit (TWA) 200 ppm / 266 mg/m<sup>3</sup>

Short term exposure limit (STEL) 250 ppm / 333 mg/m<sup>3</sup>

Note Sk

Explanations of abbreviations are given in Section 16b

##### DNEL

##### GLYCEROL

	Type of exposure	Route of exposure	Value
Consumer	Chronic Systemic	Inhalation	33 mg/m <sup>3</sup>
Worker	Chronic Systemic	Inhalation	56 mg/kg
Consumer	Chronic Systemic	Oral	229 mg/kg

**PNEC  
GLYCEROL**

Environmental protection target	PNEC value
Fresh water	0.885 mg/l
Freshwater sediments	3.3 mg/kg
Marine water	0.088 mg/l
Marine sediments	0.33 mg/kg
Microorganisms in sewage treatment	1000 mg/l
Soil (agricultural)	0.141 mg/kg
Intermittent	8.85 mg/L

**8.2. Exposure controls**

The risks posed by the product or its constituents must be considered in the task specific risk assessment, in accordance with current working environment legislation. The risk assessment should be reviewed regularly and updated if necessary.

**8.2.1. Appropriate engineering controls**

The ventilation in the workplace must ensure an air quality that meets the requirements of the current working environment legislation. Local exhaust ventilation should be used to remove airborne contaminants at the source.

**8.2.2. Individual protection measures, such as personal protective equipment**

**Eye/face protection**

Eye protection according to standard EN166 should be worn if there is any danger of direct exposure or splashing.

**Skin protection**

Wear suitable protective clothing when necessary.

Use protective gloves fulfilling the standard EN374 if there is a risk of direct contact.

During continuous contact use gloves with a minimum breakthrough time of at least 240 minutes, preferably over 480 minutes.

The most suitable protective glove should be chosen in consultation with the glove supplier, taking into account the risk assessment for the specific task and the properties of the chemicals involved. Note that the breakthrough time of the material is affected by the duration of the exposure, temperature conditions, abrasion, etcetera.

Based on the chemical properties of the product, the following glove materials are recommended (EN 374):.

- Butyl rubber.
- Nitrile rubber.

**Respiratory protection**

Use appropriate respiratory protective equipment in case of insufficient ventilation.

The most appropriate respiratory protective equipment should be decided in consultation with the appointed safety representative, taking into account the risk assessment for the specific task.

Based on the physical and chemical properties of the product, the following filter type(s) and/or filter combination(s) are recommended:.

- A/P2.

**8.2.3. Environmental exposure controls**

For limiting environmental exposure, see section 12.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

(a) Physical state	liquid Form: liquid
(b) Colour	yellow
(c) Odour	mild
(d) Melting point/freezing point	18 °C
(e) Boiling point or initial boiling point and boiling range	290 °C
(f) Flammability	Not indicated
(g) Lower and upper explosion limit	Not indicated
(h) Flash point	160 °C
(i) Auto-ignition temperature	393 °C
(j) Decomposition temperature	Not indicated
(k) pH	Not indicated
(l) Kinematic viscosity	1412 mPa·s (20 °C)
(m) Solubility	Solubility in water: Miscible
(n) Partition coefficient n-octanol/water (log value)	Not indicated
(o) Vapour pressure	0.0001 hPa
(p) Density and/or relative density	1.261 kg/L
(q) Relative vapour density	Not indicated
(r) Particle characteristics	Not indicated

### 9.2. Other information

#### 9.2.1. Information with regard to physical hazard classes

Not indicated

#### 9.2.2. Other safety characteristics

Not indicated

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

The product contains no substances which can lead to hazardous reactions at normal use.

### 10.2. Chemical stability

The product is stable at normal storage and handling conditions.

### 10.3. Possibility of hazardous reactions

No hazardous reactions known during normal use.

### 10.4. Conditions to avoid

There are no known conditions to avoid.

### 10.5. Incompatible materials

Avoid contact with strong acids, bases and oxidizers.

### 10.6. Hazardous decomposition products

Carbon monoxide (CO), carbon dioxide (CO<sub>2</sub>) and harmful and irritating substances.

## SECTION 11: Toxicological information

### 11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Information on possible health hazards are based on experience and / or toxicological properties of several components in the product.

#### Acute toxicity

The product is not classified as acutely toxic.

#### GLYCEROL

LD50 rabbit 24h: > 18700 mg/kg Dermally

LC50 rat 4h: > 2.75 mg/L Inhalation

LD50 rat 24h: 12600 mg/kg Orally

**Skin corrosion/irritation**

The product is not classified for skin corrosion/irritation.

**Serious eye damage/irritation**

The product is not classified for serious eye damage/eye irritation.

**Respiratory or skin sensitisation**

The product is not classified as sensitising.

**Germ cell mutagenicity**

The product is not classified as mutagen.

**Carcinogenicity**

The product is not classified as carcinogenic.

**Reproductive toxicity**

The product is not classified as a reproductive toxicant.

**STOT-single exposure**

The product is not classified for specific organ toxicity after single exposure.

**STOT-repeated exposure**

The product is not classified for specific organ toxicity after repeated exposure.

**Aspiration hazard**

The product is not classified as being toxic for aspiration.

**11.2. Information on other hazards****11.2.1. Endocrine disrupting properties**

No information is available.

**11.2.2. Other information**

Not indicated.

## SECTION 12: Ecological information

**12.1. Toxicity**

The product is not to be labelled as an environmental hazard. However, it is not inconceivable that large emissions, or repeated small emissions, can have a harmful effect on the environment.

Prevent release on land, in water and drains.

**GLYCEROL**

LC50 Rainbow trout (*Oncorhynchus mykiss*) 96h: > 500 mg/l

LC50 fathead minnow (*Pimephales promelas*) 96h: > 100 mg/l

LC50 Ide (*Leuciscus idus*) 96h: > 2900 mg/l

EC50 Freshwater water flea (*Daphnia magna*) 48 h: > 10000 mg/l

EC50 Freshwater water flea (*Daphnia magna*) 24h: > 10000 mg/L

**METHANOL**

LC50 Bluegill (*Lepomis macrochirus*) 96h: 11850 mg/l

EC50 Freshwater water flea (*Daphnia magna*) 48 h: 10000 mg/l

EC50 Algae (*Selenastrum capricornutum*) 72h: 22000 mg/l

**12.2. Persistence and degradability**

The product degrades in the natural environment.

**12.3. Bioaccumulative potential**

Neither this product, nor its contents, accumulates in nature.

**12.4. Mobility in soil**

The product is soluble in water and is therefore mobile in soil and water.

**12.5. Results of PBT and vPvB assessment**

This product does not contain any substances that are assessed to be a PBT or a vPvB.

**12.6. Endocrine disrupting properties**

No information is available.

**12.7. Other adverse effects**

No known effects or hazards.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

#### Waste handling of the product

Avoid discharge into sewers.

The product is not classified as hazardous waste.

Residual, old or contaminated product should be disposed of at a waste management facility.

Empty, rinsed packaging is sent for recycling where practicable.

See directive 2008/98/EC on waste. Observe national or regional provisions on waste management.

## SECTION 14: Transport information

Where not otherwise stated the information applies to all of the UN Model Regulations, i.e. ADR (road), RID (railway), ADN (inland waterways), IMDG (sea), and ICAO (IATA) (air).

### 14.1. UN number or ID number

Not classified as dangerous goods

### 14.2. UN proper shipping name

Not applicable

### 14.3. Transport hazard class(es)

Not applicable

### 14.4. Packing group

Not applicable

### 14.5. Environmental hazards

Not applicable

### 14.6. Special precautions for user

Not applicable

### 14.7. Maritime transport in bulk according to IMO instruments

Not applicable

### 14.8 Other transport information

Not applicable

## SECTION 15: Regulatory information

### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Not indicated.

### 15.2. Chemical safety assessment

A chemical safety assessment has been carried out in accordance with Regulation (EC) 1907/2006 Annex I, and documented in this safety data sheet.

## SECTION 16: Other information

### 16a. Indication of where changes have been made to the previous version of the safety data sheet

#### Revisions of this document

Earlier versions

2021-12-17 Changes in section(s) 3, 4, 6, 7, 8, 10, 11, 12, 13, 16.

### 16b. Legend to abbreviations and acronyms used in the safety data sheet

#### Full texts for Hazard Class and Category Code mentioned in section 3

Flam. Liq. 2 Flammable liquids, Hazard Category 2 - Flam. Liq. 2, H225 - Highly flammable liquid and vapour

Acute Tox. 3 Acute toxicity (dermal), Hazard Category 3 - Acute Tox. 3, H311 - Toxic in contact with skin

Acute Tox. 3 Acute toxicity (oral), Hazard Category 3 - Acute Tox. 3, H301 - Toxic if swallowed

Acute Tox. 3 Acute toxicity (inhal.), Hazard Category 3 - Acute Tox. 3, H331 - Toxic if inhaled

STOT SE 1 Specific target organ toxicity — single exposure, Hazard Category 1 - STOT SE 1, H370 - Causes damage to organs <>

#### Explanations of the abbreviations in Section 8

Sk Can be absorbed through the skin. The assigned substances are those for which there are concerns that dermal absorption will lead to systemic toxicity

## Explanations of the abbreviations in Section 14

ADR European Agreement concerning the International Transport of Dangerous Goods by Road  
RID Regulations concerning the International Transport of Dangerous Goods by Rail  
IMDG International Maritime Dangerous Goods Code  
ICAO International Civil Aviation Organization (ICAO, 999 University Street, Montreal, Quebec H3C 5H7, Canada)  
IATA The International Air Transport Association

## 16c. Key literature references and sources for data

### Sources for data

Primary data for the calculation of the hazards has preferentially been taken from the official European classification list, 1272/2008 Annex I, as updated to 2025-03-21.

Where such data was not available, alternative documentation used to establish the official classification was used, e.g. IUCLID (International Uniform Chemical Information Database). As a second alternative, information was used from reputable international chemical industries, and as a third alternative other available information was used, e.g. material safety data sheets from other suppliers or information from non-profit associations, where reliability of the source was assessed by expert opinion. If, in spite of this, reliable information could not be sourced, the hazards were assessed by expert opinions based on the known hazards of similar substances, and according to the principles in 1907/2006 and 1272/2008.

### Full texts for Regulations mentioned in this Safety Data Sheet

1907/2006 REGULATION (EC) No 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC

1272/2008 REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006

2008/98/EC DIRECTIVE 2008/98/EC OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 19 November 2008 on waste and repealing certain Directives

## 16d. Methods of evaluating information referred to in 1272/2008 Article 9 which was used for the purpose of classification

Hazard calculation for this mixture has been performed as a cumulative assessment with the aid of expert assessments in accordance with 1272/2008 Annex I, where all available information which may be significant to establishing the hazards of the mixture was assessed together, and in accordance with 1907/2006 Annex XI.

## 16e. List of relevant hazard statements and/or precautionary statements

### Full texts for hazard statements mentioned in section 3

H225 Highly flammable liquid and vapour  
H311 Toxic in contact with skin  
H301 Toxic if swallowed  
H331 Toxic if inhaled  
H370 Causes damage to organs <>

## 16f. Advice on any training appropriate for workers to ensure protection of human health and the environment

### Warning for misuse

This product is not expected to cause severe harm to humans or the environment. However the manufacturer, the distributor or the supplier cannot be responsible for unusual or criminal use of the product.

### Other relevant information

Not indicated

### Editorial information



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