



Darwin Biological SAFETY DATA SHEET

Preservative Solution - Ethyl Alcohol 70% Solution with Glycerol

Section 1: Identification of the substance/mixture & of the company/undertaking

1.1 Product Identification

Product Name	Preservative Solution
Synonyms	Ethyl Alcohol 70% Solution with Glycerol
Cat No.	N/A
REACH No.	N/A
CAS No.	N/A
Molecular Formula	N/A

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

Identified Uses	Laboratory chemicals
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1.3. Details of the supplier of the safety data sheet

Company	Darwin Biological
Address	Shawbury House, Shawbury, Shrewsbury, Shropshire, SY4 4NL UK
Contact	01939 250252 hello@darwinbiological.co.uk
Emergency Phone No.	112

Section 2: Hazard Identification

2.1 Classification of the substance or mixture CLP Classification - Regulation (EC) No 1272/2008

H225, H302, H319, H332, H371

2.2 Label Elements Labelling according Regulation (EC) No 1272/2008

Pictogram	
Signal Word	Danger
Hazard Statement(s)	H225 - Highly flammable liquid and vapour H302 - Harmful if swallowed H319 - Causes serious eye irritation H332 - Harmful if inhaled H371 - May cause damage to organs
Precautionary Statement(s)	P210 - Keep away from heat/sparks/open flames/hot surfaces - No smoking P280 - Wear eye protection/face protection P301 + P330 + P331 - IF SWALLOWED: rinse mouth. Do NOT induce vomiting P303 + P361 + P353 - IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower P304 + P340 - IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing P312 - Call a POISON CENTER or doctor/physician if you feel unwell

Section 3: Composition/Information on ingredients

3.1 Substances

Component	Hazard Classification	Concentration
Ethyl alcohol	Flam. Liq. 2 (H225)	>65%
CAS No: 64-17-5	Eye Irrit. 2 (H319)	
EC No: 200-578-6		



Darwin Biological SAFETY DATA SHEET

Water	N/A	25% - 30%
CAS No: 7732-18-5		
Glycerol, 1,2,3-Propanetriol	N/A	3% - 5%
CAS No: 56-81-5		
Methyl alcohol, Methanol	Flam. Liq. 2 (H225)	2% - 4%
CAS No: 67-56-1	Acute Tox. 3 (H301)	
EC No: 200-659-6	Acute Tox. 3 (H311)	
	Acute Tox. 3 (H331)	

Section 4: First aid measures

General Advice	If unwell seek medical advice, show this SDS/product label.
If inhaled	Move person into fresh air. If not breathing, give artificial respiration. See medical advice
In case of skin contact	Wash off with soap and plenty of water. See medical advice
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes. See medical advice
If swallowed	Do not induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth thoroughly. Seek medical attention.

Section 5: Firefighting measures

5.1 Extinguishing media	Use extinguishing measures that are appropriate to circumstances and the surrounding environment
5.2 Special hazards arising from substances or mixture	No data available
5.3 Advice for firefighters	Wear suitable respiratory equipment if necessary

Section 6: Accidental release measures

6.1 Personal precaution, protective equipment & emergency procedures	Wear suitable protective clothing. Avoid breathing vapours, mist or gas. Ensure adequate ventilation of the working area.
6.2 Environmental precautions	If safe to do so, prevent further leakage or spillage. Do not let product enter drains.
6.3 Methods & materials for containments & cleaning up	Soak up with inert absorbent material and dispose of as hazardous waste. Transfer to suitable, labelled containers for disposal.

Section 7: Handling and storage

7.1 Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist.
7.2 Conditions for safe storage, including any incompatibilities	Store in cool place out of direct sunlight. Keep container closed in a dry and well-ventilated place. Always store in a properly labelled appropriate container.

Section 8: Exposure controls/personal protection

8.1 Control parameters

Ethyl alcohol

CAS No: 64-17-5	Long Term (8hr TWA): 1920mg/m ³	Short Term (15min STEL): N/A
EC No: 200-578-6		

Water

CAS No: 7732-18-5	Long Term (8hr TWA): N/A	Short Term (15min STEL): N/A
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Darwin Biological SAFETY DATA SHEET

Glycerol, 1,2,3-Propanetriol

CAS No: 56-81-5

Long Term (8hr TWA): 10mg/m³

Short Term (15min STEL): N/A

Methyl alcohol, Methanol

CAS No: 67-56-1

EC No: 200-659-6

Long Term (8hr TWA): 10mg/m³

Short Term (15min STEL): 333mg/m³

Where no specific short-term exposure limit is listed, a figure three times the long-term exposure should be used. Figures are based upon UK EH40 WEL (Workplace Exposure Limits)

8.2 Exposure Controls

Engineering Measures	Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of the working day. Ensure adequate ventilation of the working area. Ensure quickly accessible eye-wash stations are available.
Eye / face protection	Wear appropriate well-fitting protective eyeglasses or chemical safety goggles as described by ENI 66 (EU Standard)
Skin / hand protection	Wear appropriate protective gloves and clothing to prevent skin exposure. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact.
Respiratory protection	Use a ENI 49 (EU Standard) approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.

Section 9: Physical and chemical properties

State	Liquid	Chemical Formula	No data available
Appearance	Colourless	Molecular Weight	No data available
Odour	Alcoholic	Relative Density	0.9g/cm ³
Melting Point	No data available	Boiling Point	No data available

Section 10: Stability & Reactivity

10.1 Reactivity	Stable under recommended transport or storage conditions.
10.2 Chemical Stability	Stable under normal conditions. Stable at room temperature.
10.3 Possibility of hazardous reactions	Hazardous reactions will not occur under normal transport or storage conditions. Decomposition may occur on exposure to conditions or materials listed below.
10.4 Conditions to avoid	Heat. Hot surfaces. Sources of ignition. Flames.
10.5 Incompatible materials	Strong oxidising agents. Strong acids.
10.6 Hazardous decomposition products	In combustion emits toxic fumes of carbon dioxide / carbon monoxide

Section 11: Toxicological Information

11.1 Information on toxicological effects	There may be irritation and redness at the site of contact. Ingestion may cause stomach pain and vomiting.
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Section 12: Ecological Information

12.1 Toxicity	No data available
12.2 Persistence & degradability	Biodegradable

Section 13: Disposal Considerations

General Information	Dispose of in compliance with all local and national regulations.
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Darwin Biological SAFETY DATA SHEET

Disposal Methods Transfer to a suitable container and arrange for collection by specialised disposal company.

Section 14: Transport Information

14.1 UN Number	UN1170
14.2 Shipping Name	Ethyl Alcohol Solution with Glycerol
14.3 Transport Class	3
14.4 Packing Group	II
14.5 Environmental Hazards	N/A

Section 15: Regulatory Information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture	Labelling according to Regulation (EC) No 1272/2008.
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Section 16: Other Information

Legal Disclaimer: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. Darwin Biological shall not be held liable for any damage resulting from handling or from contact with the above product.