

70% alcohol hand sanitiser gel



SAFETY DATA SHEET

ACCORDING TO EC-REGULATIONS 1907/2006 (REACH), 1272/2008 (CLP) & 2015/830

70% alcohol hand sanitiser gel

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier

Product Name 70% alcohol hand sanitiser gel
Contains Ethanol

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

Identified Use(s) Industrial use. Professional use. SU22 Professional uses: Public domain (administration, education, entertainment, services, craftsmen). Consumer use. PC8 Biocidal products (e.g. Disinfectants, pest control). PC35 Washing and cleaning products (including solvent based products).
Uses Advised Against Not known.

1.3 Details of the supplier of the safety data sheet

Supplier
Company Identification Ecospill Limited
Address of Supplier Unit 7a – 7e Waddington Way
Aldwarke
Rotherham
Postal code S65 3SH
Telephone: ☎ +44 1709 542 259
Fax ☎ +44 1709 540 122
E-mail sales@ecospill.org.uk
Office hours 08:30 – 17:00

1.4 Emergency telephone number

Emergency Phone No. ☎ +44 1709 542 259 (office hours)



SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Regulation (EC) No. 1272/2008 (CLP) Flam. Liq. 2 H225: Highly flammable liquid and vapour.
Eye Irrit. 2 H319: Causes serious eye irritation.

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2.2 Label elements

Product Name	According to Regulation (EC) No. 1272/2008 (CLP) 70% alcohol hand sanitiser gel	
Hazard Pictogram(s)	 GHS02	 GHS07
Signal Word(s)	Danger	
Hazard Statement(s)	H225: Highly flammable liquid and vapour. H319: Causes serious eye irritation.	
Precautionary Statement(s)	P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337+P313: If eye irritation persists: Get medical advice/attention. P403+P235: Store in a well-ventilated place. Keep cool. P501: Dispose of contents in accordance with local, state or national legislation.	

2.3 Other hazards

Not classified as PBT or vPvB.

2.4 Additional Information

For full text of H/P Statements see section 16.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2 Mixtures

HAZARDOUS INGREDIENT(S)	CAS No.	EC No. / REACH Registration No.	%W/W	Hazard Statement(s)	Hazard Pictogram(s)
Ethanol	64-17-5	200-578-6	70	Flam. Liq. 2 H225 Eye Irrit. 2 H319	GHS02 GHS07
glycerol	56-81-5	200-289-5	1	Not classified	None
propane-1,2-diol	57-55-6	200-338-0	0.5	Not classified	None

For full text of H/P Statements see section 16.

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SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

General	Get medical advice/attention if you feel unwell. If medical advice is needed, have product container or label at hand.
Inhalation	Treat symptomatically.
Skin Contact	Take off immediately all contaminated clothing. Rinse skin with water.
Eye Contact	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
Ingestion	Treat symptomatically.

4.2 Most important symptoms and effects, both acute and delayed

May cause irritation.

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media

Suitable Extinguishing media	Use water spray, dry powder or carbon dioxide to extinguish.
Unsuitable extinguishing media	Water jet spray

5.2 Special hazards arising from the substance or mixture

Highly flammable liquid and vapour. May decompose in a fire, giving off toxic and irritant vapours.

5.3 Advice for firefighters

Fire fighters should wear complete protective clothing including self-contained breathing apparatus. If it is safe to do so, containers should be removed from fire area because they are likely to rupture under fire conditions.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Provide adequate ventilation. Use non-sparking ventilation systems, approved explosion-proof equipment, and intrinsically safe electrical systems. Wear suitable protective clothing, gloves and eye/face protection.

6.2 Environmental precautions

This material and its container must be disposed of in a safe way.

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6.3 Methods and material for containment and cleaning up

Adsorb spillages onto sand, earth or any suitable adsorbent material. Transfer to a container for disposal. Containers must not be punctured or destroyed by burning, even when empty.

6.4 Reference to other sections

See Also Section 8, 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Keep container tightly closed. Use explosion-proof electrical/ventilating/lighting/equipment. Use non-sparking tools. Take action to prevent static discharges. Wear eye protection.

7.2 Conditions for safe storage, including any incompatibilities

Store in a well-ventilated place. Keep cool.

Storage temperature

Ambient.

Storage life

Stable under normal conditions.

Incompatible materials

None known.

7.3 Specific end use(s)

Industrial use. Professional use. SU22 Professional uses: Public domain (administration, education, entertainment, services, craftsmen). Consumer use. PC8 Biocidal products (e.g. Disinfectants, pest control). PC35 Washing and cleaning products (including solvent based products).

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

8.1.1 Occupational Exposure Limits

Occupational Exposure Limits						
SUBSTANCE.	CAS No.	LTEL (8 hr TWA ppm)	LTEL (8 hr TWA mg/m ³)	STEL (ppm)	STEL (mg/m ³)	Note
Ethanol	64-17-5	1000	1920			
Glycerol, mist	56-81-5		10			
Propane-1,2-diol total vapour and particulates	57-55-6	150	474			
Propane-1,2-diol particulates	57-55-6		10			

Region

Source

EU

EU Occupational Exposure Limits

United

UK Workplace Exposure Limits EH40/2005 (Fourth edition, published 2020)

Kingdom

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8.1.2 Derived No Effect Levels (DNEL)

Data for Ethanol

Workers

Route of Exposure	Chronic effects systemic	Chronic effects local	Acute effects systemic	Acute effects local
Inhalation	950 mg/m ³	No hazard identified	No hazard identified	1900 mg/m ³
Dermal	343 mg/kg bw/day	No hazard identified	No hazard identified	No hazard identified

Consumers

Route of Exposure	Chronic effects systemic	Chronic effects local	Acute effects systemic	Acute effects local
Oral	87 mg/kg bw/day		No hazard identified	
Inhalation	114 mg/m ³	No hazard identified	No hazard identified	950 mg/m ³
Dermal	206 mg/kg bw/day	No hazard identified	No hazard identified	No hazard identified

8.1.3 Predicted No Effect Concentrations (PNEC)

Data for Ethanol

Environmental protection target	PNEC
Fresh water	0.96 mg/l
Freshwater sediments	3.6 mg/kg sediment dw
Marine water	0.79 mg/l
Marine water sediments	2.9 mg/kg sediment dw
Microorganisms in sewage treatment (STP)	580 mg/l
Soil	0.63 mg/kg soil dw
PNEC oral, (food chain)	720 mg/kg food

8.2 Exposure controls

8.2.1. Appropriate engineering controls Use non-sparking ventilation systems, approved explosion-proof equipment, and intrinsically safe electrical systems. Ensure adequate ventilation. A washing facility/water for eye and skin cleaning purposes should be present.

8.2.2. Personal protection equipment



Eye Protection Wear eye protection with side protection (EN166).



Skin protection Gloves: Not normally required.

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Respiratory
protection

Normally no personal respiratory protection is necessary.



Thermal hazards

None known.

8.2.3. Environmental Exposure Controls Avoid release to the environment.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance	Liquid.
	Colour : Colourless liquid
Odour	Alcohol odour.
Odour threshold	No data available
pH	Not known.
Melting point/freezing point	-114 °C (Ethanol)
Initial boiling point and boiling range	78.5 °C (Ethanol)
Flash Point	13 °C (Ethanol)
Evaporation rate	No data available
Flammability (solid, gas)	Not known.
Upper/lower flammability or explosive limits	3.3 - 19 (Ethanol)
Vapour pressure	57.26 hPa @ 19.6 °C (Ethanol)
Vapour density	> 1
Density (g/ml)	No data available
Relative density	No data available
Solubility(ies)	Solubility (Water) : Soluble Solubility (Other) : Not known.
Partition coefficient: n-octanol/water	- 0.35 @ 24 °C (Ethanol)
Auto-ignition temperature	368.8 °C (Ethanol)
Decomposition Temperature (°C)	No data available
Viscosity	No data available
Explosive properties	Not explosive.
Oxidising properties	Not oxidising.

9.2 Other information

None.

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SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity

None anticipated.

10.2 Chemical Stability

Stable under normal conditions.

10.3 Possibility of hazardous reactions

No hazardous reactions known if used for its intended purpose.

10.4 Conditions to avoid

Avoid friction, sparks, or other means of ignition.

10.5 Incompatible materials

Not known.

10.6 Hazardous decomposition products

No hazardous decomposition products known.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity - Ingestion	Not classified. Based on available data, the classification criteria are not met. ATE > 5000 mg/kg
Acute toxicity - Skin Contact	Not classified. Based on available data, the classification criteria are not met.
Acute toxicity - Inhalation	Not classified. Based on available data, the classification criteria are not met.
Skin corrosion/irritation	Not classified. Based on available data, the classification criteria are not met.
Serious eye damage/irritation	Calculation method : Causes serious eye irritation.
Skin sensitization data	Not classified. Based on available data, the classification criteria are not met.
Respiratory sensitization data	Not classified. Based on available data, the classification criteria are not met.
Germ cell mutagenicity	Not classified. Based on available data, the classification criteria are not met.
Carcinogenicity	Not classified. Based on available data, the classification criteria are not met.
Reproductive toxicity	Not classified. Based on available data, the classification criteria are not met.
Lactation	Not classified.
STOT - single exposure	Not classified. Based on available data, the classification criteria are not met.
STOT - repeated exposure	Not classified. Based on available data, the classification criteria are not met.

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Aspiration hazard

Self classification:

Not classified. Based on available data, the classification criteria are not met.

11.2 Other information

Not known.

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity

Not classified. Based on available data, the classification criteria are not met.

Toxicity - Aquatic invertebrates EC50: 5 012 mg/L

Toxicity - Fish LC50: 14 200 mg/L

Toxicity - Algae Low toxicity to algae.

12.2 Persistence and Degradation

Readily biodegradable.

12.3 Bioaccumulative potential

The product has low potential for bioaccumulation.

Partition coefficient: n-octanol/water: -0.35 @ 24 °C

12.4 Mobility in soil

Soluble in water. Highly volatile.

12.5 Results of PBT and vPvB assessment

Not classified as PBT or vPvB.

12.6 Other adverse effects

Not known.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Dispose of contents in accordance with local, state or national legislation. Recycle only completely emptied packaging. Containers must not be punctured or destroyed by burning, even when empty. Do not allow to enter drains, sewers or watercourses. Do NOT landfill. Normal disposal is via incineration operated by an accredited disposal contractor. Send to a licensed recycler, reclaimer or incinerator. Dispose at suitable refuse site.

13.2 Additional Information

Disposal should be in accordance with local, state or national legislation.

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SECTION 14: TRANSPORT INFORMATION

14.1 UN number

UN No. 1170

14.2 UN proper shipping name

UN proper shipping name ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION)

14.3 Transport hazard class(es)

3
Labels 3



14.4 Packing group

Packing group II

14.5 Environmental hazards

Environmental hazards Not classified as a Marine Pollutant.

14.6 Special precautions for user

ADR Transport Category 2
Tunnel Restriction Code D/E
Emergency Action Code •2YE
IMDG EMS F-E, S-D

14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

No information available

SECTION 15: REGULATORY INFORMATION

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

The product has been classified in accordance with Regulation (EC) No. 1272/2008 (CLP). This SDS was prepared in accordance with Regulation (EC) No. 1907/2006 as amended.
Biocidal Products Regulation (BPR): Regulation (EU) No. 528/2012

European Regulations - Authorisations and/or Restrictions On Use

Candidate List of Substances of Very High Concern for Authorisation Not listed

REACH: ANNEX XIV list of substances subject to authorisation Not listed

REACH: Annex XVII Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles Ethanol (64-17-5)

Community Rolling Action Plan (CoRAP) Not listed

Regulation (EC) N° 850/2004 of the European Parliament and of the Council on persistent organic pollutants Not listed

Regulation (EC) N° 1005/2009 on substances that deplete the ozone layer Not listed

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Regulation (EU) N° 649/2012 of the European Parliament and of the Council concerning the export and import of hazardous chemicals

Not listed

National regulations

Other

Not known.

15.2 Chemical Safety Assessment

A REACH chemical safety assessment has not been carried out.

SECTION 16: OTHER INFORMATION

INDICATION OF CHANGES

Revision 1

LEGEND

Hazard Pictogram(s)



GHS02



GHS07

Hazard classification

Flam. Liq. 2 : Flammable liquid, Category 2
Eye Irrit. 2 : Serious eye damage/irritation, Category 2

Hazard Statement(s)

H225: Highly flammable liquid and vapour.
H319: Causes serious eye irritation.

Precautionary Statement(s)

P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P233: Keep container tightly closed.
P240: Ground and bond container and receiving equipment.
P241: Use explosion-proof electrical/ventilating/lighting/equipment.
P242: Use non-sparking tools.
P243: Take action to prevent static discharges.
P264: Wash hands and exposed skin thoroughly after handling.
P280: Wear protective gloves/protective clothing/eye protection/face protection.
P303+P361+P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+P313: If eye irritation persists: Get medical advice/attention.
P370+P378: In case of fire: Use water spray, dry powder or carbon dioxide to extinguish.
P403+P235: Store in a well-ventilated place. Keep cool.
P501: Dispose of contents in accordance with local, state or national legislation.

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Acronyms

ADN : European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR : European Agreement concerning the International Carriage of Dangerous Goods by Road
CAS : Chemical Abstracts Service
CLP : Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures
DNEL : Derived No Effect Level
EC : European Community
EINECS : European Inventory of Existing Commercial Chemical Substances
IATA : International Air Transport Association
IBC : Intermediate Bulk Container
ICAO : International Civil Aviation Organization
IMDG : International Maritime Dangerous Goods
LTEL : Long term exposure limit
PBT : Persistent, Bioaccumulative and Toxic
PNEC : Predicted No Effect Concentration
REACH : Registration, Evaluation, Authorisation and Restriction of Chemicals
RID : Regulations concerning the International Carriage of Dangerous Goods by Rail
STEL : Short term exposure limit
STOT : Specific Target Organ Toxicity
UN : United Nations
vPvB : very Persistent and very Bioaccumulative

Key Literature and Sources of Data

ECHA REACH Dossier
Regulation (EC) No. 1272/2008 (CLP)
Regulation (EC) No. 1907/2006 (REACH)
Regulation (EU) No. 2015/830

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