

**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 Yourlink Limited  
Address of Supplier Unit B Wold House  
Annie Reed Road  
Beverley  
Postal code HU17 0LF  
Telephone: ☎ +44 1482 306860  
Fax ☎ +44 1482 306863  
E-mail info@dirteeze.com  
Office hours 08:30 – 17:00

**1.4 Emergency telephone number**

Emergency Phone No. ☎ +44 1482 306860 (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 <sup>3</sup> )	STEL (ppm)	STEL (mg/m <sup>3</sup> )	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 Kingdom

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

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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 <sup>3</sup>	No hazard identified	No hazard identified	1900 mg/m <sup>3</sup>
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 <sup>3</sup>	No hazard identified	No hazard identified	950 mg/m <sup>3</sup>
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    Avoid release to the environment.  
Controls

## 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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