

## HAND SANITISER

### FEATURES & APPLICATIONS

Unico Hand Sanitiser is a no-rinse hand cleanser. It is effective against MRSA, E Coli, Enterococcus Hirae and Pseudomonas Aeruginosa according to EN12054. It will inactivate Influenza A Virus H1N1 (Swine) undiluted in 15 seconds. It will help to prevent the spread of seasonal influenza.

- It evaporates from the skin during use.
- It is fragrance free, and therefore non-tainting to surfaces.
- It can be conveniently used in areas with no running water supply.
- It contains an emollient, to leave the skin moisturised and supple.

Hand Sanitiser is recommended for use by personnel working in areas where food is prepared, served or stored or other areas where hygiene is of paramount importance.

### APPLICATION DETAILS

Task	Maximum Dilution	How To Use
Sanitising hands	Use undiluted	1) If hands are visibly dirty, wash thoroughly with soap and water.  2) Apply product generously from pump – no water required. Rub into hands until product has evaporated, ensuring that the entire hand surface has been covered.

### PRODUCT AND PACKAGING INFORMATION

<b>Appearance &amp; Odour:</b>	Clear, water-white, viscous liquid with alcoholic odour.
<b>Chemical Description:</b>	An aqueous solution of ethanol, emollient and thickener.
<b>Packaging:</b>	6 x 500 ml with pump 48 x 100ml bottle, 5 litre re-fill.
<b>Shelf Life:</b>	3 years.

### ENVIRONMENTAL INFORMATION

**General Information:** This product should have little ecological impact.

#### Environmental Checklist:

Biodegradable detergents:	NA	CFC free:	Yes	Solvent free:	No
Phosphate free:	Yes	Acid/alkali free:	Yes	Free of dyes/perfumes:	Yes
Recyclable packaging:	Yes	Biodegradable Container	No	Biodegradable outer box:	Yes

FURTHER INFORMATION AVAILABLE ON REQUEST

**1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY**

<b>Commercial Name</b> Intended/Recommended use	<b>Hand Sanitiser</b> Alcohol based handrub.	<b>Supplier</b> Address	<b>Unico Ltd</b> North Main Street, Carronshore, Falkirk FK2 8HT 01324 573400 01324 573401
<b>Issue Date</b> Issue Number	<b>May '15</b> 5	<b>Telephone</b> Fax	

**2. HAZARDS IDENTIFICATION**

**2.1 Classification** This product has no classification according to Chemicals (Hazard Information Packaging and Supply) Regulations 2002.  
This product is classified under EC 1272/2008

Physical and Chemical Hazards	Highly Flammable
Human Health	May be irritating to skin & eyes
Environment	Not classified

**2.1 Label Elements** Label in Accordance with (EC) No. 1272/2008



Signal Word	<b>Danger</b>
Hazard Statements	<b>H225</b> Highly flammable liquid and vapour <b>H320</b> Causes eye irritation <b>H315</b> Causes skin irritation <b>H335</b> May cause respiratory irritation
Precautionary Statements	<b>P501</b> Dispose of contents and container to an approved waste disposal point <b>P102</b> - Keep out of the Reach of Children <b>P103</b> - Please read the label information before use. <b>EUH 210</b> - Safety data sheet available on request. <b>P332 + P313</b> If skin irritation occurs: Get medical advice/attention. <b>P305 + P351 + P338 IF IN EYES:</b> Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing. <b>P337 + P313</b> If eye irritation persists: Get medical attention <b>P281</b> Use personal protective equipment as required. <b>P370 + P378</b> In case of fire: Use dry sand, dry chemical or alcohol-resistant foam for extinction. <b>P403 + P235</b> Store in a well ventilated place: Keep cool <b>Wear eye piece protection</b> when there is a risk of splashing.

**3. COMPOSITION OF PRODUCT AND INFORMATION ON INGREDIENTS**

**2.1 Mixtures**

Concentrations below the concentration limit for classification in mixtures means that substance not reaching this does not need to be classified. Those that do not reach this concentration will still be included as indicative advice only.

Alcohol Denat	60 – 70%	
CAS-No.: 200-578-6	EC No.: 64-17-5	
Classification (EC 1272/2008)	Flammable 2 – H225	Single Organ Tox. 3 – H335
Eye Irritant 2 – H320	Skin Irritant 2 – H315	

<b>NAME</b>	<b>RANGE</b>	<b>EINECS</b>	<b>CAS No</b>	<b>Conc. Limit for Classification</b>
Water	>10%	231-791-2	7732-18-5	None
Glycerin	1-10%	200-289-5	56-81-5	None
Acrylates/C10-30 Alkyl Acrylate Crosspolymer	0.1-1%	212-222-7	770-35-4	1%
Aminomethyl Propanol	< 0.1%	204-709-8	124-68-5	1%

**4. FIRST AID MEASURES**

**4.1 Description of first aid measures**

- Ingestion** Rinse mouth thoroughly. Do not induce vomiting. Act immediately to prevent further irritation of mouth, throat and stomach mucosa. Seek medical advice immediately
- Inhalation** No ill effects expected at concentrations used. If irritation is experienced go in open air and ventilate area. Mouth and throat may be rinsed with water.
- Eye Contact** Check for and remove contact lenses. Rinse thoroughly with plenty of water for several minutes.
- Skin Contact** Rinse affected area with water as instructed, if needed apply a cold compress to relieve irritation.

**4.2 Most Important symptoms and effects, both acute & chronic**

Where irritation of tissue occurs, stinging and redden accompanied by some discomfort for a short period after exposure no further exposure until condition improves. Be vigilant for asthmatic-like symptoms after inhalation. No Chronic effects known at the concentrations used in the mixture

**4.3 Indication of any immediate medical attention and special treatment needed**

If irritation to the mouth, throat, stomach, skin, eyes or respiratory system occurs and doesn't subside within a few minutes after the first aid measures have been carried out, seek immediate medical advice and have this SDS or the product label to hand. Be vigilant for asthma-like respiratory symptoms. These will require immediate medical assistance.

A cold compress can be used to alleviate skin irritation.

**5. FIRE FIGHTING MEASURES**

- 5.1 Suitable extinguishing media** This product is classed as flammable. Carbon dioxide or foam powder but no water jets that will spread any fire. Cover fire with dry sand if possible.
- Unsuitable extinguishing media** Not applicable but water jets not preferred.
- 5.2 Special hazards arising from the substance or mixture** Fumes may contain poisonous oxides of carbon and nitrogen (CO<sub>x</sub> & NO<sub>x</sub>)
- 5.3 Advice for firefighters** Firefighters should wear self-contained breathing apparatus

**6. ACCIDENTAL RELEASE MEASURES**

- 6.1 Personal precautions, protective equipment and emergency procedures**  
Wear protective clothing and eyeshields. Ventilate the area.
- 6.2 Environmental Precautions**  
Avoid spillage into surface water drains, soil / subsoil or vegetation.
- 6.3 Methods and material for containment and cleaning up**  
Immediately mop up or absorb onto dry sand or similar inert material and dispose of safely as commercial waste.

**7. HANDLING AND STORAGE**

- 7.1 Handling** Take care when dispensing product from container and assure adequate ventilation. Avoid contact with skin and eyes. Do not mix with any other chemicals.
- 7.2 Storage** Store upright in original containers in a cool dry area out of the reach of children. Keep away from heat & sources of ignition.
- 7.3 Specific end use(s)** Use only as directed by the front page of this document and the product label

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**8.1 Control Parameters**

Name	STD	TWA – 8 Hrs		STEL – 15 Min		Comments
Ethanol	WEL	1000ppm	1920mg/m <sup>3</sup>	500ppm	1250mg/m <sup>3</sup>	

Note: No other substances above 1% in the product with a listed exposure limit

**8.2 Exposure Control**

- Respiratory Protection** Personal protection is not normally required unless a risk assessment indicates the need for it .In which case wear a facemask with a suitable organic vapour filter.
- Skin Protection** Personal protection is not normally required unless a risk assessment indicates the need for it .In which case wear

<b>Eye Protection</b>	protective overalls and safety shoes/boots. Personal protection is not normally required unless a risk assessment indicates the need for it .In which case wear eyeshields.
<b>Hand Protection</b>	For prolonged contact with skin the use of rubber or PVC gloves is recommended.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

**9.1 Information on basic physical and chemical properties**

<b>Appearance</b>	Clear Liquid	<b>Flash Point (ACC)</b>	15 – 25C
<b>Odour</b>	Alcohol	<b>Viscosity (20C)</b>	Approx.4000 cp
<b>pH</b>	7.5 typically	<b>Water Solubility</b>	Soluble

**9.2 Other Information**

None

**10. STABILITY AND REACTIVITY**

<b>10.1 Reactivity</b>	Not known to react with other chemicals
<b>10.2 Chemical Stability</b>	Will react with strong acids & alkalis
<b>10.3 Hazardous Reactions</b>	None known
<b>10.4 Conditions to Avoid</b>	Extreme heat or cold and sources of ignition
<b>10.5 Incompatible Materials</b>	Plastics and polymers.
<b>10.6 Hazardous decomposition products</b>	Oxides of carbon & nitrogen.

**11. TOXICOLOGICAL INFORMATION**

**11.1 Information on toxicological effects**

We have not carried out any animal testing for this product. Any ATE figures quoted below are from Toxicity Classifications that have been carried out using ATE (Acute Toxicity Estimate) Calculation Method using LD50 or ATE figures provided by the Raw Material Manufacturer.

Consideration is only given to components with greater than 1% based on the product formulation and those with a listed exposure limit in Section 8.

**Acute Toxicity – Irritant & damaging to tissue and eyes**

Component	LD-Lo, Oral, mg/kg	LD-50, Skin mg/kg	LC-50 (Inhalation)	Chronic Consideration
Ethanol	1400 BWT (human)	20 (rabbit)	20000ppm (rat – 10hrs)	None known

**Chronic Toxicity**

<b>Carcinogenicity</b>	Some limit evidence in animals (liver – mouse)
<b>Sensitization</b>	No information available.
<b>Mutagenic Effects</b>	No information available
<b>Reproductive Effects</b>	Some limited evidence.
<b>Developmental Effects</b>	No information available.
<b>Target Organs</b>	Some evidence - Lung
<b>Endocrine Disruptor Info.</b>	No information available.
<b>Other Adverse Effects</b>	The toxicological properties have not been fully investigated. See actual entry in RTECS for complete information

**12. ECOLOGICAL INFORMATION**

**12.1 Toxicity Ecotoxicity effects**

Component	Toxicity to Fish LC-50, mg/l	Exposure Time, Hrs	Comments
Ethanol	>10000 (Oncorhynchus mykiss)	96	

**12.3 Bioaccumulation Potential**

With the current information available, when used for its intended purpose this product will not cause adverse effects in the environment.

**12.4 Mobility in soil**

No information available

**12.5 Aquatic Toxicity**

With the current information available, this is judged to be low at the dilutions that exist.

**12.6 Other adverse effects**

No information available

## 13. DISPOSAL CONSIDERATIONS

### 13.1. Waste treatment methods

Disposal as hazardous waste through a licensed handler. National or Regional legislation may cover this product's disposal.

## 14. TRANSPORT

UN number	1170
UN proper shipping name	Ethanol Solutions
Transport hazard class(es)	3
Packing group (if applicable)	II

### IMDG

UN-Number: 1170 Class: 3 Packing Group: II

EMS-No: F-E, S-D

Proper shipping name: Ethanol Solutions

Marine pollutant: No

### IATA

UN-Number: 1170 Class: 3 Packing Group: II

Proper shipping name: Ethanol Solutions

## 15. REGULATORY INFORMATION

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

Symbol - F

Named Ingredients - Ethanol

Hazard Class H225 – Highly Flammable

### EU legislation

Safety Data Sheet prepared in accordance with REACH Commission Regulation (EU) No 453/2010 (which amends Regulation (EC) No 1907/2006). The product is as classified under GHS/CLP- Regulation (EC) No 1272/2008 classification, labelling & packaging of substances & mixtures. Ingredients are listed with classification GHS/CLP- Regulation (EC) No 1272/2008 classification, labelling & packaging of substances & mixtures.

### Guidance

Workplace Exposure Limits EH40.

The National Institute for Occupational Safety and Health (NIOSH) register of Immediately Dangerous to Life or Health Concentrations (IDLH)

## 16. OTHER INFORMATION

This product does not require any special training before use. Usage and handling instructions are mentioned on packaging and on the first page of this Safety Data Sheet. This health and safety information refers to the concentrated product and has been prepared assuming the intended described use is adhered to. Any unusual or novel use of this product is done without being assessed for the impact nor is it part of the considerations in this document.

Diluted solutions can be considered to be significantly less hazardous although they should always be handled with care.

### Key literature references and sources for data

Safety Data Sheet, Misc. manufacturers.

CLP Classification - Table 3.1 List of harmonised classification and labelling of hazardous substances.

CHIP Classification - Table 3.2 The list of harmonised classification and labelling of hazardous substances from Annex I to Directive 67/548/EEC.

ECHA - C&L Inventory database.

### Revision comments

This product is now using classification from GHS/CLP - Regulation (EC) No 1272/2008 classification, labelling & packaging of substances & mixtures.

Revision date 01/05/2017

The Hazard Statements listed below in this Section No 16 relate to the Raw Materials (Ingredients) in the Product (as listed in Section 3) and NOT the product itself. For the Risk Phrases / Hazard Statements relating to this Product see Section 2.

### Hazard statements in full

H225 Highly flammable liquid & vapour

H315 Causes skin irritation

H320 Causes eye irritation

H335 Possible respiratory irritation