



### 1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND OF THE COMPANY / UNDERTAKING

<b>Company Name:</b>	Union Distillers Unit E7 Welland Business Park, Valley Way Market Harborough LE16 7PS
<b>Product Name:</b>	Hand Sanitiser
<b>Use / description of product:</b>	WHO Formulation Hand Sanitiser with Gelling agents 70%vol. BS EN 1500: 2014, BS EN 1276:2009 and ASTM E2315

### 2. COMPOSITION / INFORMATION ON INGREDIENTS

<b>Ingredient 1:</b>	Ethanol 70-94% (CAS No) 64-17-5 EINECS: 200-578-6 [F] R11; [Xi] R36; [-] R67;
<b>Ingredient 2:</b>	HYDROGEN PEROXIDE SOLUTION <0.125% CAS: 7722-84-1 EINECS: 231-765-0 [O] R8; [C] R34;
<b>Contains:</b>	Purified Water and glycerol, Carbopol Aqua SF1, NaHCO <sub>3</sub>

### 3. HAZARDS IDENTIFICATION

<b>Main hazards:</b>	Highly flammable. Irritating to eyes. Vapours may cause drowsiness and dizziness.
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### 4. FIRST AID MEASURES (SYMPTOMS)

<b>Skin contact:</b>	There may be mild irritation at the site of contact.
<b>Eye contact:</b>	There may be irritation and redness.
<b>Ingestion:</b>	There may be confusion, aggressive behaviour, slurred speech and staggering walk. Severe poisoning can cause unconsciousness and severe and persistent nausea and vomiting. Convulsions may occur.
<b>Inhalation:</b>	There may be irritation of the throat with a feeling of tightness in the chest. Absorption through the lungs can occur causing symptoms similar to those of ingestion.

### 4. FIRST AID MEASURES (ACTION)

<b>Skin contact:</b>	Respiratory irritation. Remove all contaminated clothes and footwear immediately unless stuck to skin. Drench the affected skin with running water for 10 minutes or longer if substance is still on skin.
<b>Eye contact:</b>	Bathe the eye with running water for 15 minutes. Transfer to hospital for specialist examination.
<b>Ingestion:</b>	If conscious, give 1 pint of water to drink immediately. If unconscious, check for breathing and apply artificial respiration if necessary. If unconscious and breathing is OK, place in the recovery position. Transfer to hospital as soon as possible.
<b>Inhalation:</b>	Remove casualty from exposure ensuring one's own safety whilst doing so. If unconscious, check for breathing and apply artificial respiration if necessary. If unconscious and breathing is OK, place in the recovery position. If conscious, ensure the casualty sits or lies down. If breathing becomes bubbly, have the casualty sit and provide oxygen if available. Transfer to hospital as soon as possible.



## 5. FIRE-FIGHTING MEASURES

<b>Extinguishing media:</b>	Carbon dioxide. Alcohol resistant foam.
<b>Exposure hazards:</b>	Highly flammable. Vapour may travel considerable distance to source of ignition and flash back. In combustion emits toxic fumes. In combustion emits toxic fumes of carbon dioxide and carbon monoxide.
<b>Protection of fire-fighters:</b>	Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

## 6. ACCIDENTAL RELEASE MEASURES

<b>Personal precautions:</b>	Eliminate all sources of ignition.
<b>Environmental precautions:</b>	Contain the spillage using bunding.
<b>Clean-up procedures:</b>	Mix with sand or vermiculite. Wash the spillage site with large amounts of water. For small spills, absorb on to paper and allow to evaporate in a fume cupboard.

## 7. HANDLING AND STORAGE

<b>Handling requirements:</b>	Ensure there is sufficient ventilation of the area. Smoking is forbidden.
<b>Storage conditions:</b>	Store in cool, well ventilated area. Keep away from sources of ignition. Keep container tightly closed. Ensure lighting and electrical equipment are not a source of ignition.
<b>Suitable packaging:</b>	Polyethylene. Should be kept in original packaging.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

<b>Engineering measures:</b>	Ensure there is sufficient ventilation of the area. Ensure lighting and electrical equipment are not a source of ignition.
<b>Hand protection:</b>	Protective gloves.
<b>Eye protection:</b>	Safety goggles. Ensure eye bath is to hand.
<b>Skin protection:</b>	Light overalls
<b>TWA (8 hr exposure limit):</b>	1920 mg/m <sup>3</sup> (Ethanol) 1.4mg/m <sup>3</sup> (hydrogen peroxide)
<b>STEL (15 min exposure limit):</b>	2.8 mg/m <sup>3</sup> (hydrogen peroxide)

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance:</b>	Viscous liquid
<b>Colour:</b>	Colourless
<b>Odour:</b>	Alcoholic
<b>Oxidising:</b>	Not determined
<b>Evaporation rate:</b>	Not determined
<b>Solubility in water:</b>	Not determined
<b>Also soluble in:</b>	Not determined
<b>Boiling point/range°C:</b>	Not determined
<b>Melting point/range°C:</b>	Not determined
<b>Flammability limits %:</b>	lower: Not determined upper: Not determined
<b>Flash point°C:</b>	19 – 21
<b>Autoflammability°C:</b>	Not determined
<b>Vapour pressure:</b>	Not determined
<b>Relative density:</b>	Not determined



## 10. STABILITY AND REACTIVITY

<b>Stability:</b>	Stable under normal conditions.
<b>Conditions to avoid:</b>	Heat. Sources of ignition. Flames.
<b>Materials to avoid:</b>	Oxidising agents.
<b>Haz. decomp. products:</b>	In combustion emits toxic fumes of carbon dioxide and carbon monoxide.

## 11. TOXICOLOGICAL INFORMATION

<b>Acute toxicity:</b>	Not classified
<b>Skin corrosion/irritation:</b>	Not classified
<b>pH:</b>	5-7
<b>Serious eye damage/irritation:</b>	Not classified
<b>pH:</b>	5-7
<b>Respiratory or skin sensitisation:</b>	Based on available data the classification criteria are not met
<b>Germ cell mutagenicity:</b>	Not classified
<b>Carcinogenicity:</b>	Not classified
<b>Reproductive toxicity:</b>	Not classified
<b>Specific target organ toxicity (single exposure):</b>	Not classified
<b>Specific target organ toxicity (repeated exposure):</b>	Not classified
<b>Aspiration hazard:</b>	Not classified


## 12. ECOLOGICAL INFORMATION

<b>Mobility:</b>	Soluble in water.
<b>Persistence and degradability:</b>	Biodegradable.
<b>Bioaccumulative potential:</b>	No data available on bioaccumulation.
<b>Other adverse effects:</b>	The product is not expected to be hazardous to the environment. The product is not expected to be toxic to aquatic organisms.

## 13. DISPOSAL CONSIDERATIONS

Waste treatment methods  
No additional information available

## 14. TRANSPORT INFORMATION

<b>ADR / RID</b>	
<b>UN no:</b>	1170
<b>ADR Class:</b>	3
<b>Hazard ID no:</b>	33
<b>Labelling:</b>	
<b>Shipping name:</b>	Ethanol
<b>IMDG / IMO</b>	
<b>UN no:</b>	1170
<b>Class:</b>	3
<b>Packing group:</b>	II
<b>EmS:</b>	3-06
<b>Marine pollutant:</b>	NO
<b>Labelling:</b>	Ethanol



#### 14. TRANSPORT INFORMATION [cont.]

**IATA / ICAO**

**UN no:** 1170  
**Class:** 3  
**Packing group:** II  
**Quantity:** 5L  
**Labelling:** Ethanol

#### 15. REGULATORY INFORMATION

**Hazard symbols:**



Irritant



Highly flammable

**Risk phrases:**

R11: Highly flammable.

R36: Irritating to eyes.

**Safety phrases:**

S7: Keep container tightly closed.

S16: Keep away from sources of ignition - No smoking.

S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

**NOTE:** The regulatory information given above only indicates the principal regulations specifically applicable to the product described in the safety data sheet. The user's attention is drawn to the possible existence of additional provisions which complete these regulations. Refer to all applicable national, international and local regulations or provisions.

#### 16. ADDITIONAL INFORMATION

**Risk phrases used in S.2:**

R11: Highly flammable.

R36: Irritating to eyes.

R8: Contact with combustible material may cause fire.

R34: Causes burns.

The full text for Risk Phrases and Hazard Statements in section 16 relates to the reference numbers in sections 2 and 3 and not necessarily the finished product classification.

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. THIS COMPANY SHALL NOT BE HELD LIABLE FOR ANY DAMAGE RESULTING FROM HANDLING OR FROM CONTACT WITH THE ABOVE PRODUCT.