



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

Company Name:	Union Distillers Unit E7 Welland Business Park, Valley Way Market Harborough LE16 7PS
Product Name:	Hand Sanitiser
Use / description of product:	Alcoholic solution BS EN 1500: 2014, BS EN 1276:2009 and ASTM E2315

2. COMPOSITION / INFORMATION ON INGREDIENTS

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

3. HAZARDS IDENTIFICATION

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

Skin contact:	There may be mild irritation at the site of contact.
Eye contact:	There may be irritation and redness.
Ingestion:	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.
Inhalation:	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)

Skin contact:	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.
Eye contact:	Bathe the eye with running water for 15 minutes. Transfer to hospital for specialist examination.
Ingestion:	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.
Inhalation:	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

Extinguishing media:	Carbon dioxide. Alcohol resistant foam.
Exposure hazards:	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.
Protection of fire-fighters:	Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions:	Eliminate all sources of ignition.
Environmental precautions:	Contain the spillage using bunding.
Clean-up procedures:	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

Handling requirements:	Ensure there is sufficient ventilation of the area. Smoking is forbidden.
Storage conditions:	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.
Suitable packaging:	Polyethylene. Should be kept in original packaging

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

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

9. PHYSICAL AND CHEMICAL PROPERTIES

State:	Liquid
Colour:	Colourless
Odour:	Alcoholic
Oxidising:	Non-oxidising (by EC criteria)
Evaporation rate:	Moderate
Solubility in water:	Soluble
Also soluble in:	Most organic solvents.
Boiling point/range°C:	83
Melting point/range°C:	-90
Flammability limits %:	lower: 2 upper: 12
Flash point°C:	20 - 21
Autoflammability°C:	425
Vapour pressure:	41 mbar @20C
Relative density:	0.875



10. STABILITY AND REACTIVITY

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

11. TOXICOLOGICAL INFORMATION

Acute toxicity:	Not classified
Skin corrosion/irritation:	Not classified
pH:	5-7
Serious eye damage/irritation:	Not classified
pH:	5-7
Respiratory or skin sensitisation:	Not classified
Germ cell mutagenicity:	Not classified
Carcinogenicity:	Not classified
Reproductive toxicity:	Not classified
Specific target organ toxicity (single exposure):	Not classified
Specific target organ toxicity (repeated exposure):	Not classified
Aspiration hazard:	Not classified


12. ECOLOGICAL INFORMATION

Mobility:	Soluble in water.
Persistence and degradability:	Biodegradable.
Bioaccumulative potential:	No bioaccumulation potential.
Other adverse effects:	The product is rated as non-hazardous to aquatic species Bacterial inhibition tests have shown that the material is not inhibitory to biomass

13. DISPOSAL CONSIDERATIONS

Waste treatment methods
No additional information available

14. TRANSPORT INFORMATION

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

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.