

1.1 EMERGENCY TELEPHONE NO.

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SAFETY DATA SHEET

REVISION No.	DATE
1.1	15 December 2017

1.2 PRODUCT IDENTIFIER

5L Hand Sanitiser

(Provisional Information)

1.3. APPLICATION

70% ALCOHOL-BASED HAND SANITIZER

2. HAZARDS IDENTIFICATION

Classification 1999/45/EC	R10	Other Hazards	The product is classified as non-hazardous.
Main Hazards	Flammable		

3. COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous Ingredients	Index No.	EINECS No.	CAS No.	Conc. (%w/w)	Classification	Workplace Exposure Limit
Ethanolamine	603-030-00-8	205-483-3	141-43-5	0 - 0.5%	Xn; R20/21/22 C; R34	8hr 1ppm, 15 min 3 ppm
Ethanol	603-002-00-5	200-578-6	64-17-5	50 - 70%	F; R11	8hr 1000ppm 15 min -
Isopropanol (Propan-2-ol)	603-117-00-0	200-661-7	67-63-0	1 - 10%	F; R11 Xi; R36 R67	8hr 400 ppm 15 min 500 ppm
Glycerol (Glycerol, mist)			56-81-5	0 - 0.5%		

4. FIRST AID MEASURES

Eyes	May cause irritation to eyes. Rinse at once with water for 15 minutes holding eyelids open. Seek med att'n if persists.
Skin	No irritation expected.
Ingestion	May cause irritation to mucous membranes. DO NOT INDUCE VOMITING. Seek med att'n if symptoms persist.
Inhalation	-

11. TOXICOLOGICAL INFORMATION

Eyes	Irritating to eyes
Skin	No irritation expected
Ingestion	There may be soreness and redness of the throat
Inhalation	No ill-effects identified.

5. FIREFIGHTING MEASURES

Extinguishing media	Water fog or spray. No jets. Use water spray to cool containers
Exposure hazards	Burning produces irritating, toxic and obnoxious Fumes.
Advice for firefighters	Wear suitable respiratory equipment when Necessary.

12. ECOLOGICAL INFORMATION

Considered to have no specific adverse effect on the environment, nor to aquatic species in small volumes. Prevent entry into drains in large volumes.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions	Ensure adequate ventilation of the working area.
Environmental	Do not allow product to enter drains. Absorb with inert absorbent material & sweep up.
Cleaning-Up Procedure	Transfer to labelled containers for disposal. Clean spillage area with plenty of water.

13. DISPOSAL CONSIDERATIONS

Dispose of in accordance with all local and national regulations.

7. HANDLING & STORAGE

Handling Requirements	Adopt best manual handling considerations when handling, carrying and dispensing.
Storage Conditions	Keep in a cool, dry, well-ventilated area. Keep Correctly labelled containers tightly closed

14. TRANSPORT INFORMATION

UN Number	UN1170	UN Shipping Name	Ethyl Alcohol Sol'n
ADR/RID Class	3	ADR/RID Hazard ID	30
IMDG Class	3	IMDG EmS Code	F-E S-D
IATA Class	3	IATA Packing Instr Cargo / Max qty	366 / 220 L
Packing Group	III	IATA Packing Instr Passenger / Max qty	355 / 60 L
Further Info	Flammable.		


8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Controls	Ensure adequate ventilation.	Hands	No precautions
Eyes / Face	Approved safety goggles if splashing	Clothing	No precautions
Skin	No precautions	Other	No precautions

9. PHYSICAL AND CHEMICAL PROPERTIES

State	Gel
Colour	Colourless
Odour	Alcohol
PH	7.0 +/- 0.5
Flash Point	28.5 deg C
Relative Density	0.9
Solubility in Water	Slightly soluble

15. REGULATORY INFORMATION

<p>Labelling:</p>  <p>FLAMMABLE</p>	<p>R10 Flammable</p> <p>The product is not classified as dangerous.</p>
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10. STABILITY AND REACTIVITY

Chemical Stability	Stable under normal conditions
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Conditions to Avoid

Materials to Avoid

Chemical Name	Chemical Formula	Chemical Weight	Chemical Density	Haz. Decomposition Prods
Acetic Acid	CH_3COOH	60.05	1.05	
Acetic Anhydride	$(\text{CH}_3\text{CO})_2\text{O}$	102.09	1.08	
Acetic Chloride	CH_3COCl	76.05	1.18	
Acetic Fluoride	CH_3COF	70.04	1.18	
Acetic Iodide	CH_3COI	175.97	1.97	
Acetic Nitrate	$\text{CH}_3\text{COONO}_2$	117.07	1.18	
Acetic Oxide	$\text{CH}_3\text{COOCH}_3$	74.08	0.93	
Acetic Peroxide	$(\text{CH}_3\text{CO})_2\text{O}_2$	130.09	1.18	
Acetic Sulfide	$\text{CH}_3\text{COSCH}_3$	98.12	1.18	
Acetic Sulfonate	$\text{CH}_3\text{COSO}_2\text{CH}_3$	134.14	1.18	
Acetic Tetrachloride	CH_3CCl_3	133.41	1.47	
Acetic Trichloride	CH_3CCl_2	112.97	1.28	
Acetic Dichloride	CH_3CHCl_2	96.94	1.28	
Acetic Monochloride	$\text{CH}_3\text{CH}_2\text{Cl}$	78.97	0.89	
Acetic Bromide	$\text{CH}_3\text{CH}_2\text{Br}$	108.97	1.49	
Acetic Iodide	$\text{CH}_3\text{CH}_2\text{I}$	174.97	1.97	
Acetic Nitrate	$\text{CH}_3\text{CH}_2\text{ONO}_2$	117.07	1.18	
Acetic Oxide	$\text{CH}_3\text{CH}_2\text{OCH}_3$	74.08	0.86	
Acetic Peroxide	$(\text{CH}_3\text{CH}_2\text{O})_2\text{O}_2$	130.09	1.18	
Acetic Sulfide	$\text{CH}_3\text{CH}_2\text{SCH}_3$	98.12	0.84	
Acetic Sulfonate	$\text{CH}_3\text{CH}_2\text{SO}_2\text{CH}_3$	134.14	1.18	
Acetic Tetrachloride	$\text{CH}_3\text{CH}_2\text{CCl}_3$	133.41	1.47	
Acetic Trichloride	$\text{CH}_3\text{CH}_2\text{CCl}_2$	112.97	1.28	
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Acetic				

Burning produces irritating, toxic and obnoxious fumes.

16. OTHER INFORMATION

As the application of products is outside our control, the information is given without legal responsibility. Customers should test under their own conditions to ensure the products are suitable for their own requirements. The information supplied in this MSDS is offered only as a guide to safe use, Storage and handling, and is correct to the best of our knowledge and belief.