


SAFETY DATA SHEET

PRODUCT NAME: Alcohol Rub 70%

1. PRODUCT AND COMPANY IDENTIFICATION	
Product Name	Alcohol Rub 70%
Product Description/ Use	70% Ethanol Rub
Manufacturer/ Supplier	Hychem (Pty) Ltd
Physical address	11/13 Silverstone Crescent Kyalami Business Park Midrand
Postal Address	PO Box 5742; Rivonia; 2128
Contact Details	Emergency: 011-466 1885

2. HAZARDS IDENTIFICATION
Classification of the product: Flammable Liquids : Category 2
Pictograms:  GHS02 Flammable
Signal Words: Danger
Hazard Statements: H225 Highly Flammable Liquid and Vapour
Precautionary Statements: P210 Keep away from heat, hot surface, sparks, open flames and other ignition sources. - No smoking. P233 Keep container tightly closed. P240 Ground/bond container and receiving equipment. P241 Use explosion-proof equipment. P242 Use only non-sparking tools. P243 Take precautionary measures against static discharge. P303+P361+P353 IF ON SKIN (or hair): Take off Immediately all contaminated clothing. Rinse SKIN with water [or shower]. P370+P378 In case of fire: Use suitable equipment to extinguish. P403+P235 Store in a well-ventilated place. Keep cool. P280 Wear protective gloves/protective clothing/eye protection/face protection. P501 Dispose of contents/container in accordance with local/regional/national/ international regulations.

3. COMPOSITION/ INFORMATION ON INGREDIENTS		
Component	CAS Number	Weight %
Ethyl Alcohol	64-17-5	70%

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4. FIRST AID MEASURES	
Inhalation	Keep patient calm, remove to fresh air.
Eye contact	Immediately wash affected eyes for at least 15 minutes under running water with eyelids held open.
Ingestion	Immediately rinse mouth and then drink 200-300 ml of water, seek medical attention.
Note to physician	Treat according to symptoms no known specific antidote.

5. FIRE-FIGHTING MEASURE	
Extinguishing media	Dry chemical. Carbon dioxide (CO ₂). Cool closed containers exposed to fire with water spray. Use water to dilute spills and to flush them away from sources of ignition.
Specific Hazards arising from substance or mixture	Flammable. Containers may explode when heated. Vapors may form explosive mixtures with air. Vapors may travel to source of ignition and flash back. Carbon monoxide (CO) Carbon dioxide (CO ₂)
Advice for Fire Fighters	Protective equipment for fire-fighting: Wear a self-contained breathing apparatus.
Further Information	The degree of risk is governed by the burning substance and the fire conditions. Contaminated extinguishing water must be disposed of in accordance with official regulations.

6. ACCIDENTAL RELEASE MEASURES	
Personal precautions, protective equipment and emergency procedures	Use personal protective clothing. Information regarding personal protective measures see, section 8. Remove all sources of ignition. Take precautionary measures against static discharges.
Environmental precautions	No risk is expected to result. No precautions required if used as directed.
Methods for cleaning up recovery	Soak up with inert absorbent material. Remove all sources of ignition. Use spark-proof tools and explosion-proof equipment. Provide adequate ventilation.
Neutralisation and disposal of spillage	None

7. HANDLING AND STORAGE	
Observe the usual precautionary measures for handling and storing chemicals	
Handling	Do not get in eyes. Do not breathe vapours or mists. Keep container closed. Use good personal hygiene

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	practices. Wash hands before eating, drinking, smoking. Remove contaminated clothing and clean before re-use.
Storage	Store in tightly closed containers in cool, dry, well-ventilated area away from heat, sources of ignition and incompatibles. Store at ambient or lower temperature. Store out of direct sunlight. Keep containers tightly closed and upright when not in use. Protect against physical damage.

8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

Exposure Limits:

Ethyl alcohol: (Vacated) TWA: 1000 ppm (Vacated) TWA: 1900 mg/m³ TWA: 1000 ppm TWA: 1900 mg/m³

Personal Protective Equipment: Wear protective clothing as necessary to minimize contact. Handle in accordance with good industrial hygiene and safety practice. Wash soiled clothing immediately.

Respiratory protection:

Not required under normal circumstances. Use approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.

Eye protection:

Tightly fitting safety glasses.

Body protection:

Body protection must be chosen depending on activity and possible exposure, e.g. apron, protecting boots, chemical-protection suit (according to EN 14605 in case of splashes or EN ISO 13982 in case of dust).

9. PHYSICAL AND CHEMICAL PROPERTIES

Form	Liquid
Colour	Water White
Odour	Characteristic
PH Value	7
Boiling point/ boiling range (°c)	Not ascertained
Flash point (°c)	16°c
Solubility	Soluble in water
Viscosity at 20°c	Not ascertained
Specific gravity at 20°c	Not ascertained

10. Stability and reactivity

Stability and possible hazardous reactions	No hazardous reactions if stored and handled as prescribed/indicated.
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Conditions/ materials to avoid	Incompatible material: strong oxidizers. Anionic Compounds
Hazardous decomposition	No decomposition if used and stored in accordance with provisions for use.

11. Toxicological information

*LD 50test on animals available on certain raw materials in product on request

Acute Effects	Primary irritant effect: on the skin: May cause irritation to skin and mucous membranes. on the eye: Strong irritant with the danger of severe eye injury.
Chronic Effects	Sensitization: No sensitizing effects known

12. Ecological information

Toxicity	Harmful to aquatic organisms; may cause long-term adverse effects in the aquatic environment.
Persistence/ Biodegradability	Not ascertained
Mobility in Soil	Not ascertained
Additional Information	None

13. Disposal considerations

Disposal of chemical product	Do not discharge into drains/surface waters/groundwater. Dispose of in accordance with local authority regulations.
Disposal of contaminated packaging	Dispose of in a licensed facility. Recommend crushing, puncturing or other means to prevent unauthorised use of used containers.

14. Transport regulations

UN1170
PROPER SHIPPING NAME: ETHANOL SOLUTION
HAZARD CLASS: 3
PACKAGING GROUP: II

15. REGULATORY INFORMATION

Labelling accordance with SANS 10234 latest revision.	OHS Act, 1993(Act No. 85 of 1993). Hazardous Substance Regulation of 1995
Hazard Statements	H225 Highly Flammable Liquid and Vapour
Precautionary Statements	P210 Keep away from heat, hot surface, sparks, open flames and other ignition sources. - No smoking. P233 Keep container tightly closed.

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	<p>P240 Ground/bond container and receiving equipment.</p> <p>P241 Use explosion-proof equipment.</p> <p>P242 Use only non-sparking tools.</p> <p>P243 Take precautionary measures against static discharge.</p> <p>P303+P361+P353 IF ON SKIN (or hair): Take off Immediately all contaminated clothing. Rinse SKIN with water [or shower].</p> <p>P370+P378 In case of fire: Use suitable equipment to extinguish.</p> <p>P403+P235 Store in a well-ventilated place. Keep cool.</p> <p>P280 Wear protective gloves/protective clothing/eye protection/face protection.</p> <p>P501 Dispose of contents/container in accordance with local/regional/national/ international regulations.</p>
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16. ADDITIONAL INFORMATION (E.G. SPECIAL TRAINING OR RESTRICTIONS ON THE PRODUCTS USE)

Refer to product data sheet for product use directions

The information contained herein is accurate to the best of our knowledge. Hychem (Pty) Ltd makes no warranty of any kind, express or implied, concerning the safe use of this material in your process or in combination with other substances.