

FAHOLO CHEMICALS
P.O. BOX 5979 – 00100
NAIROBI

LYSOL 6 % V/V MATERIAL SAFETY DATA SHEET

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1. Product and Company Identification

2. Hazards Identification

Emergency Overview

This product is classified as a disinfectant. Extensive testing has been completed to show that it is safe and effective when used as directed.

PRECAUTION:
CAUTION
MAY CAUSE EYE IRRITATION. Avoid contact with eyes. Wash hands after use.
Keep out of reach of children.

Potential short term health effects **Routes of exposure** Eye, Skin contact, Inhalation, Ingestion.

Eyes	May cause eye irritation.
Skin	None expected during normal conditions of use. Not expected to be a skin sensitizer.
Inhalation	None expected during normal conditions of use.
Ingestion	Health injuries are not known or expected under normal use.
Target organs	Blood. Eyes. Liver. Respiratory system. Skin.
Chronic effects	The finished product is not expected to have chronic health effects.
Signs and symptoms	Symptoms may include redness, oedema, drying, defatting and cracking of the skin.
Potential environmental effects	See section 12.

3. Composition/Information on Ingredients

	CAS #	Percent
Ingredient(s)		
Alkyl (50%C14, 40%C12, 10%C16)	Not Applicable 64-17-5	0.1 - 1
dimethyl benzyl ammonium chlorides		- 5
Ethanol		

4. First Aid Measures

First aid procedures

Eye contact Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

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Skin contact

Wash hands thoroughly after handling. If skin irritation persists, call a physician.

Inhalation

Move to fresh air.

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Ingestion	Rinse mouth with water. Do not induce vomiting. Never give anything by mouth to an unconscious person. Call a physician or Poison Control Center IMMEDIATELY.
Notes to physician	Wipes are saturated with a solution containing less than 3% denatured ethyl alcohol.
General advice	Keep away from sources of ignition. No smoking. If you feel unwell, seek medical advice (show the label where possible). Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance. Avoid contact with eyes and skin. Keep out of reach of children. Follow label directions carefully. Take container, label or product name and Batch Number with you when seeking medical attention.

5. Fire-fighting Measures

Extinguishing media	
Suitable extinguishing media	Treat for surrounding material.
Unsuitable extinguishing media	Not available
Protection of firefighters	
Specific hazards arising from the chemical	Not available
Protective equipment for firefighters	Firefighters should wear full protective clothing including self-contained breathing apparatus.
Hazardous combustion products	May include and are not limited to: Oxides of carbon. Oxides of nitrogen.
Explosion data	
Sensitivity to mechanical impact	Not available
Sensitivity to static discharge	Not available

6. Accidental Release Measures

Personal precautions	Avoid contact with eyes. Keep unnecessary personnel away. Do not touch or walk through spilled material. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Keep people away from and upwind of spill/leak.
Environmental precautions	Do not discharge into lakes, streams, ponds or public waters.
Methods for containment	Do not allow product to enter sewer or waterways.
Methods for cleaning up	Remove sources of ignition. Never return spills in original containers for re-use.
Other Information	Pick up and discard towel.

7. Handling and Storage

Handling	Avoid contact with eyes. Wash hands after handling and before eating. Use good industrial hygiene practices in handling this material. Food contact surfaces must be rinsed with potable water. Not recommended for polished or bare wood floors. Not intended for personal hygiene.
Storage	Store in original container out of reach of small children. Keep securely closed in a cool, well ventilated area. Do not reuse empty container. Rinse and discard or recycle. Do not store at temperatures above 120°F (49°C). It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

8. Exposure Controls / Personal Protection

Exposure limit values Ingredient(s)	E x p o s u r e l i m i t v a l u e s
Alkyl (50%C14, 40%C12, 10%C16) dimethyl benzyl ammonium chlorides	ACGIH-TLV Not established
Ethanol	ACGIH-TLV TWA: 1000 ppm STEL: 1000 ppm
Engineering controls	General ventilation normally adequate.
Personal protective equipment	
Eye/Face protection	Avoid contact with eyes. Emergency responders should wear full eye and face protection.
Hand protection	Wash hands after use. Emergency responders should wear impermeable gloves.
Skin and body protection	As required by employer code. Emergency responders should wear impermeable clothing and footwear when responding to a situation where contact with the liquid is possible.
Respiratory protection	Not normally required under normal use conditions. Emergency responders should wear self-contained breathing apparatus (SCBA) to avoid inhalation of vapours generated by this product during a spill or other clean-up operations.
General hygiene considerations	Handle in accordance with good industrial hygiene and safety practice. When using do not eat or drink. Washing with soap and water after use is recommended as good hygienic practice to prevent possible eye irritation from hand contact.

9. Physical and Chemical Properties

Appearance	Liquid saturated on wipe
Colour	brown liquid
Odour threshold	Not available
Physical state	Not available
pH	10.5 (liquid)
Freezing point	Not available
Boiling point	Not available
Pour point	Not available
Evaporation Rate	Not available

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Auto-ignition temperature Not available

Flammability limits in air, lower, % by volume

Flammability Limits in Air, Upper, % by Volume

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Vapour pressure Not available
Vapour density Not available
Specific gravity 0.99 (liquid)
Octanol/water coefficient Not available

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Solubility (H₂O) very soluble

10. Stability and Reactivity

Reactivity This product may react with strong oxidizing agents.

Possibility of hazardous reactions Hazardous polymerisation does not occur.

Chemical stability Stable under recommended storage conditions.

Conditions to avoid DO NOT MIX WITH BLEACH or use in conjunction with other household products.
Heat, open flames, static discharge, sparks and other ignition sources.

Incompatible materials of nitrogen Oxidizers. Hazardous decomposition products May include and are not limited to: Oxides of carbon. Oxides

11. Toxicological Information

LC50

Component analysis - LC50 Ingredient(s)

Alkyl (50%C14, 40%C12, 10%C16) dimethyl benzyl ammonium chlorides Not available

Ethanol 31623 ppm rat

Component analysis - Oral LD50

Ingredient(s) **LD50**

Alkyl (50%C14, 40%C12, 10%C16) dimethyl benzyl ammonium chlorides 426 mg/kg rat

Ethanol 3450 mg/kg mouse; 7060 mg/kg rat

Effects of acute exposure

Eye May cause eye irritation.
Skin None expected during normal conditions of use.
Not expected to be a skin sensitizer.
Inhalation None expected during normal conditions of use.
Ingestion Health injuries are not known or expected under normal use.
Sensitisation The finished product is not expected to have chronic health effects.
Chronic effects The finished product is not expected to have chronic health effects.
Carcinogenicity The finished product is not expected to have chronic health effects.

ACGIH - Threshold Limit Values - Carcinogens

Ethanol 64-17-5 A3 - Confirmed animal carcinogen with unknown relevance to humans.

Mutagenicity The finished product is not expected to have chronic health effects.

Reproductive effects The finished product is not expected to have chronic health effects.

Teratogenicity The finished product is not expected to have chronic health effects.

Name of Toxicologically Synergistic Products Not available

12. Ecological Information

Ecotoxicity Components of this product have been identified as having potential environmental concerns.

Ecotoxicity - Freshwater Fish - Acute Toxicity Data

Ethanol 64-17-5 96 Hr LC50 Oncorhynchus mykiss: 12.0 - 16.0 mL/L [static]; 96 Hr LC50 Pimephales promelas: >100 mg/L [static]; 96 Hr LC50 Pimephales promelas: 13400 - 15100 mg/L [flow-through]

Ecotoxicity - Water Flea - Acute Toxicity Data

Ethanol 64-17-5 48 Hr LC50 Daphnia magna: 9268 - 14221 mg/L; 24 Hr EC50 Daphnia magna: 10800 mg/L; 48 Hr EC50 Daphnia magna: 2 mg/L [Static]

Persistence and degradability Not available

Bioaccumulation/accumulation Not available

Mobility in environmental media Not available

Environmental effects Not available

available

Aquatic toxicity Not available

Partition coefficient Not available

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Chemical fate information	Not available
Other adverse effects	Not available

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13. Disposal Considerations

Disposal instructions

Do not re-use empty container. Rinse and dispose. Recycle where facilities exist.
Dispose in accordance with all applicable regulations.

Waste from residues / unused products

Not available

Contaminated packaging

Not available

14. Transport Information

U.S. Department of Transportation (DOT)

UN/ID N.o. Not applicable

U.S. Department of Transportation (DOT): Classification: Not regulated

Proper shipping name Not applicable

U.S. DOT Hazard Class Not applicable

Subsidiary Risk Not applicable

Packing group Not applicable

DOT RQ (lbs) Not applicable
ERG NO Not applicable

Transportation of Dangerous Goods (TDG - Canada): Classification: Not regulated

Proper shipping name Not applicable

Status Not applicable

Packing group Not applicable

IMDG (Marine Transport): Classification: Not regulated

Proper shipping name Not applicable

Class Not applicable

Subsidiary Risk Not applicable

Packing group Not applicable

IMDG Page Not applicable

Marine pollutant Not applicable

EMS Not applicable

MFAG Not applicable

Maximum Quantity Not applicable

IATA/ICAO (Air): Classification: Not regulated

Proper shipping name Not applicable

Class Not applicable

Subsidiary Risk: Not applicable

Packing group Not applicable

Maximum Quantity Not applicable
