

SAFETY DATA SHEET

Section 1: Identification

Product Name: Lavender Hand Sanitizer
Chemical Name/Synonyms: Ethanol solution
Use and Restrictions Liquid Hand sanitiser external use only

Company:

Acre Farm
107 Peake Road Cambridge
New Zealand
PH +64 21567090 or +64 021 2023344

Date of SDS preparation April 2020

In emergency call 111 or NZ Poison Center 0800 764 766
For information about this SDS, contact +64 21567090

Section 2: Hazard(s) Identification

Hazard Classification:

HSNO Hazard Classification: 3.1B, 6.4A,
Flammable Liquid Category 2
Serious eye damage/ irritation – Category 2A

Signal Word(s): Danger

Hazard Statements:

H225 – Highly Flammable, Highly flammable liquid and vapor.
H319 Causes serious eye irritation.

Pictograms:



Precautionary Statements:

Preventions

P102- Keep out of reach of children,
P103- Read label before use,
P210- keep away from heat/sparks/open flames/hot surface. No smoking

P233- Keep container tightly closed
P243-Take precautionary measures against static discharge

Response

P101 If medical advice is needed, have product container or label at hand.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+P313 If eye irritation persists: Get medical advice/attention.

Storage Precautionary Statement

P403+P235 Store in a well-ventilated place. Keep cool.

Disposal Precautionary Statement

P501 Dispose of contents/container in accordance with local, regional, national and international regulations.

DANGEROUS GOOD CLASSIFICATION

Classified as Dangerous Goods by the criteria of "New Zealand NZS5433: Transport of Dangerous Goods by Land and Air.

Dangerous Goods Class: 3

Classified as a C1 (COMBUSTIBLE LIQUID) for the purpose of storage and handling, Refer to national regulations for storage and transport requirements.

Section 3: Composition/ Information on Ingredients

Chemical Name	Synonym	CAS#	Conc.
Ethanol		64-17-5	80% V/V
Glycerin		56-81-5	10% V/V
Hydrogen Peroxide		7722-84-1	0.5% V/V
Lavender Oil		8000-28-0	0.5% V/V
Water		7732-18-5	Balance to 100%

Section 4: First-Aid Measures

If poisoning occurs, contact a doctor or Poisons Information Centre, New Zealand 0800 764 766.

Inhalation: Remove victim from exposure - avoid becoming a casualty. Remove contaminated clothing and loosen remaining clothing. Allow patient to assume most comfortable position and keep warm. Keep at rest until fully recovered. Seek medical advice if effects persist.

Skin Contact: If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water. If swelling, redness, blistering or irritation occurs seek medical assistance. For gross contamination, immediately drench with water and remove clothing. Continue to flush skin and hair with plenty of water (and soap if material is insoluble). For skin burns, cover with a clean, dry dressing until medical help is available. If blistering occurs, do NOT break blisters. If swelling, redness, blistering, or irritation occurs seek medical assistance.

Eye contact: If in eyes, hold eyelids apart and flush the eyes continuously with running water. Continue flushing until advised to stop by the Poisons Information Centre or a Doctor; or for at least 15 minutes and transport to Doctor or Hospital.

Ingestion: Rinse mouth with water. If swallowed, do NOT induce vomiting. Give a glass of water to drink. Never give anything by the mouth to an unconscious patient. If vomiting occurs give further water. Seek medical advice.

Notes to physician: Treat symptomatically.

Section 5: Fire-Fighting Measures

Hazchem Code: •2YE

Suitable extinguishing media: If material is involved in a fire use water fog (or if unavailable fine water spray), alcohol resistant foam, dry agent (carbon dioxide, dry chemical powder).

Specific hazards: Highly flammable liquid and vapor. Combustible liquid. May form flammable vapor mixtures with air. Flameproof equipment necessary in area where this chemical is being used. Nearby equipment must be earthed. Electrical requirements for work area should be assessed according to AS3000. Vapor may travel a considerable distance to source of ignition and flash back. Avoid all ignition sources. All potential sources of ignition (open flames, pilot lights, furnaces, spark producing switches and electrical equipment etc) must be eliminated both in and near the work area. Do NOT smoke.

Fire fighting further advice: Heating can cause expansion or decomposition leading to violent rupture of containers. If safe to do so, remove containers from path of fire. Keep containers cool with water spray. On burning or decomposing may emit toxic fumes. Fire fighters to wear self-contained breathing apparatus and suitable protective clothing if risk of exposure to vapor or products of combustion or decomposition.

Section 6: Accidental Release Measures

Small Spills- Wear protective equipment to prevent skin and eye contamination. Avoid inhalation of vapors or dust. Wipe up with absorbent (clean rag or paper towels). Collect and seal in properly labelled containers or drums for disposal.

Large Spills -If safe to do so, shut off all possible sources of ignition. Clear area of all unprotected personnel. Slippery when spilt. Avoid accidents, clean up immediately. Wear protective equipment to prevent skin and eye contamination and the inhalation of dust. Work up wind or increase ventilation. Cover with damp absorbent (inert material, sand or soil). Sweep or vacuum up, but avoid generating dust. Use a spark-free shovel. Collect and seal in properly labelled containers or drums for disposal. If contamination of crops, sewers or waterways has occurred advise local emergency services.

Dangerous Goods – Initial Emergency Response Guide No: 14

Section 7: Handling and Storage

Handling: Avoid eye contact and repeated or prolonged skin contact. Avoid inhalation of dust.

Storage: Store in a cool, dry, well-ventilated place and out of direct sunlight. Store away from foodstuffs. Store away from incompatible materials described in Section 10. Store away from sources of heat and/or ignition. Keep container standing upright. Keep containers closed when not in use - check regularly for spills.

Classified as a Class 3 Flammable Liquid (COMBUSTIBLE LIQUID) for the purpose of storage and handling. Refer to State and local Regulations for storage and transport requirements.

Section 8: Exposure Controls/Personal Protection

Chemical Name	
Ethanol	New Zealand TWA 1000 ppm
Hydrogen Peroxide	New Zealand TWA 1 ppm

These Exposure Standards are guides to be used in the control of occupational health hazards. All atmospheric contamination should be kept too as low a level as is workable. These exposure standards should not be used as fine dividing lines between safe and dangerous concentrations of chemicals. They are not a measure of relative toxicity.

If the directions for use on the product label are followed, exposure of individuals using the product should not exceed the above standard. The standard was created for workers who are routinely, potentially exposed during product manufacture.

Biological Limit Values: As per the "National Model Regulations for the Control of Workplace Hazardous Substances (Safe Work Australia)" the ingredients in this material do not have a Biological Limit Allocated.

Engineering Measures: Ensure ventilation is adequate to maintain air concentrations below Exposure Standards. Use only in well ventilated areas. Avoid generating and inhaling dusts. Use with local exhaust ventilation or while wearing dust mask. Vapor heavier than air - prevent concentration in hollows or sumps. Do NOT enter confined spaces where vapor may have collected.

Personal Protection Equipment: Wear safety shoes, safety glasses.

Hygiene measures: Keep away from food, drink and animal feeding stuffs. When using do not eat, drink or smoke. Wash hands prior to eating, drinking or smoking. Avoid contact with clothing. Avoid eye contact and repeated or prolonged skin contact. Avoid inhalation of dust. Ensure that eyewash stations and safety showers are close to the workstation location.

Section 9: Physical and Chemical Properties

Material Family: Organic Material
Base Units: Liters
Form: Liquid
Color: Colorless
Odor: Alcohol
pH: 6.0-8.0
Solubility: Soluble in Water
Boiling point: Not Available
Freezing Point: Not Available
Flash Point: 21 deg C, Flammable liquid
Specific Gravity 0.87
Density: 0.79 @ 20 deg C

Section 10: Stability and Reactivity

Chemical stability: This material is thermally stable when stored and used as directed.

Conditions to avoid: Avoid exposure to heat, sources of ignition, and open flame

Incompatible materials: Strong oxidizing agents, peroxides, acid chlorides, acid anhydrides, alkali metals and ammonia.

Hazardous decomposition products: Decomposes on burning.

Hazardous reactions: Oxides of carbon.

Section 11: Toxicological Information

No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet and the product label. Symptoms or effects that may arise if the product is mishandled and overexposure occurs are:

Acute Effects

Inhalation: Material may be an irritant to mucous membranes and respiratory tract.

Skin contact: Contact with skin may result in irritation.

Ingestion: Swallowing can result in nausea, vomiting and irritation of the gastrointestinal tract.

Eye contact: An eye irritant. Exposure to the dust may cause discomfort due to particulate nature. May cause physical irritation to the eyes.

Acute toxicity

Inhalation: This material has been classified as non-hazardous. Acute toxicity estimate (based on ingredients): >5 mg/L

LC50 (Rat): 5,900 mg/m³/6hr (Ethanol)

Skin contact: This material has been classified as non-hazardous. Acute toxicity estimate (based on ingredients): >2,000 mg/Kg

Ingestion: This material has been classified as non-hazardous. Acute toxicity estimate (based on ingredients): >2,000 mg/Kg

LD50 (Rat): 7060 mg/kg (Ethanol)

Corrosion/Irritancy: Eye: this material has been classified as a Category 2A Hazard (reversible effects to eyes). Skin: this material has been classified as not corrosive or irritating to skin.

Sensitization: Inhalation: this material has been classified as not a respiratory sensitizer. Skin: this material has been classified as not a skin sensitizer.

Aspiration hazard: This material has been classified as non-hazardous.

Specific target organ toxicity (single exposure): This material has been classified as non-hazardous.

Chronic Toxicity

Mutagenicity: This material has been classified as non-hazardous.

Carcinogenicity: This material has been classified as non-hazardous.

Reproductive toxicity (including via lactation): This material has been classified as non-hazardous.

Specific target organ toxicity (repeat exposure): This material has been classified as non-hazardous.

Section 12: Ecological Information (non-mandatory)

Section 13: Disposal Considerations (non-mandatory)

Persons conducting disposal, recycling or reclamation activities should ensure that appropriate personal protection equipment is used, see "Section 8. Exposure Controls and Personal Protection" of this SDS.

If possible material and its container should be recycled. If material or container cannot be recycled, dispose in accordance with local, regional, national and international Regulations.

Section 14: Transport Information (non-mandatory)

ROAD AND RAIL TRANSPORT Classified as Dangerous Goods by the criteria of the "New Zealand NZS5433: Transport of Dangerous Goods ".



UN No: 1170

Proper Shipping Name: ETHANOL SOLUTION

Dangerous Goods Class: 3 Packing Group: II

Hazchem Code: •2YE Emergency Response Guide No: 14

Segregation Dangerous Goods: Not to be loaded with explosives (Class 1), flammable gases (Class 2.1), if both are in bulk, toxic gases (Class 2.3), spontaneously combustible substances (Class 4.2), oxidising agents (Class 5.1), organic peroxides (Class 5.2), toxic substances (Class 6.1), infectious substances (Class 6.2) or radioactive substances (Class 7). Exemptions may apply.

AIR TRANSPORT Classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air. Additional restrictions apply.

Section 15: Regulatory Information (non-mandatory)

HSNO Approval No: HSR002528

Group Standard: Cleaning Products (Flammable) Group Standard 2017

HSNO Classification: 3.1B, 6.4A,

Section 16: Other Information

New Zealand National Poison Information Centre: 0800 764 766

New Zealand Emergency Services: 111

Acre Farm Cambridge: +64 21567090

Every endeavour has been made to ensure that the information contained in this publication is reliable and offered in good faith. It is meant to describe the safety requirements of our products and should not be construed as guaranteeing specific properties. Customers are encouraged to conduct their own tests as end user suitability of the product for uses is beyond our control.

The information is not intended as an inducement to bargain and no warranty expressed or implied is made as to its accuracy, reliability or completeness. Acre Farm Cambridge accepts no liability for loss, injury or damage arising from reliance upon the information contained in this data sheet except in conjunction with the proper use of the product to which it refers. Due care should be taken that the use and disposal of this product is following appropriate Local Council regulations.

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