

SAFETY DATA SHEET

Product Name LOTUS INSTANT HAND SANITISER

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Supplier Name **Dowco Associates**
Address 62 Riverbank Road, Otaki
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Emergency 0800 243 622

Synonym(s) 100mL, 500mL, 500mL Refill, 1L, 1L Refill, 5L, 20L

Use(s) INSTANT HAND SANITISER

2. HAZARDS IDENTIFICATION

CLASSIFIED AS HAZARDOUS ACCORDING TO HAZARDOUS SUBSTANCES [MINIMUM DEGREES OF HAZARD]
REGULATIONS 2001 – REPRINTED 2017

GHS CLASSIFICATION

Flammable Liquids
Eye Irritation
Skin Sensitisation

Category 3
Category 2
Category 1A



Signal Word:

WARNING

Hazard Codes

H226 Flammable liquid and vapour.
H317 May cause an allergic skin reaction.
H319 Causes serious eye irritation.

Prevention Codes

P102 Keep out of reach of children.
P103 Read label before use.
P210 Keep away from heat, hot surfaces, sparks, open flames, and other ignition sources. No smoking.
P233 Keep container tightly closed.
P240 Ground and bond container and receiving equipment.
P241 Use explosion-proof ventilation and lighting.
P242 Use non-sparking tools.
P243 Take action to prevent static discharges.
P261 Avoid breathing mist or spray.
P264 Wash hands thoroughly after handling.
P272 Contaminated work clothing should not be allowed out of the workplace.
P280 Wear protective gloves and eye protection.

Response Codes

P101 If medical advice is needed, have product container or label at hand.
P302+P352 IF ON SKIN: Wash with plenty of soap and water.
P305+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P321 Specific treatment: See additional information on this label.
P333+P313 If skin irritation or rash occurs: Get medical advice.
P337+P313 If eye irritation persists: Get medical advice.
P362+P364 Take off contaminated clothing and wash before reuse.
P370+P378 In case of fire use, alcohol resistant foam, fine water spray, normal foam or dry powder.

Storage Codes

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

Disposal Codes

P501 Disposal of content/container should be made in accordance with all applicable local, regional, and national laws and regulations.

Product Name LOTUS INSTANT HAND SANITISER**3. COMPOSITION INFORMATION**

Ingredient	CAS Number	Content
Ethanol	64-17-5	>60%
Ingredients determined to be non-hazardous	-	Balance

4. FIRST AID MEASURES

Eye	Rinse with copious amounts of water including under eyelids continuously until advised to stop. Remove contact lenses, if present and easy to do. Continue rinsing. Seek medical assistance if irritation occurs.
Skin	If skin or hair contact occurs, remove contaminated clothing and flood skin and hair with running water continuously for 10 minutes. If rash or irritation occurs seek medical assistance.
Ingestion	DO NOT INDUCE VOMITING. Do not give anything to drink. Seek medical assistance for alcohol poisoning.
Inhalation	Remove patient to fresh air. If breathing becomes difficult get medical attention. Apply artificial respiration if not breathing.
Advice to Doctor	Treat symptomatically.

5. FIRE FIGHTING MEASURES

Hazard Type	Flammable. May evolve toxic gases in a fire if combustion is incomplete.
Extinguishing Media	Alcohol resistant foam, water spray and dry powder.
Fire/Explosion Hazard	Cool containers indirectly with water spray. Pools of water can boil explosively in contact with burning solvent
Precautions for firefighters	Self-contained breathing apparatus. Safety boots, Chemical resistant overalls, gloves, helmet, and eye protection.

6. ACCIDENTAL RELEASE MEASURES

Minor Spills	Wear protective equipment to prevent skin, eye, and respiratory exposure. Contain using sand, earth, or vermiculite.
Major Spills	Prevent by whatever means possible any spillage from entering drains, sewers, or water courses. (If this occurs contact your regional council immediately). Use absorbent (soil, sand, or other inert material). Collect spilled material with spark proof equipment and collect in a grounded or plastic container before sealing and labelling for disposal. If contamination of crops, sewers or waterways has occurred advise local emergency services. Mop up and collect recoverable material into labelled containers for recycling or salvage. Recycle containers wherever possible. This material may be suitable for approved landfill. Dispose in accordance with all regulations.

7. HANDLING AND STORAGE

Handling	Keep out of reach of children. Avoid contact with skin and eyes. Use personal protective equipment as required. Eating, drinking, and smoking in work areas is prohibited.
Storage	Store in original container tightly closed and in a locked dry, cool area away from foodstuffs and incompatible materials.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Substance	CAS Number	TWA (mg/m ³)
Ethanol	64-17-5	1880

Product Name LOTUS INSTANT HAND SANITISER

Exposure Limits The above exposure limits have been established by Worksafe New Zealand for this product.

Engineering Controls General exhaust is adequate under normal operating conditions. Local exhaust ventilation is required in specific circumstances. Provide eyewash station and safety shower.

Personal Protective Equipment

Eyes Protect eyes with goggles or safety glasses that comply with AS/NZS 1336:2014

Skin Avoid repeated or prolonged skin contact. Wear overalls, rubber boots and impervious gloves. Remove protective clothing and wash exposed areas with soap and water prior to eating, drinking, or using the toilet. Ensure all PPE complies with AS/NZS 2161.2:2020, AS/NZS 2210.3:2009 & AS/NZS 4501.1:2008

Respiratory Use a P3 level respirator that complies with AS/NZS 1715:2009 when operating in enclosed space or where there is a risk of vapour generation during use.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state	Gel	Upper explosive limit	19%
Appearance	Colourless	Lower explosive limit	3.5%
Odour	Alcoholic	Vapour pressure	No data available
Odour threshold	No data available	Vapour density	No data available
Specific Gravity	0.89 – 0.91 g/mL @25°C	Solubility in water	Soluble
pH as supplied	6.5 – 7.0	Partition coefficient n-octanol/water	No data available
Freezing point	No data available	Autoignition temperature	No data available
Boiling point	No data available	Decomposition temperature	No data available
Flash point	25°C	Kinematic Viscosity	3846 – 3932cSt @25°C
Flammability	No data available		

10. STABILITY AND REACTIVITY

Chemical Stability Stable under normal storage conditions. Unstable in the presence of strong oxidisers.

Incompatible Materials Strong mineral acids and oxidisers

Hazardous Decomposition Products Carbon oxides (CO, CO₂)

Hazardous Polymerisation Polymerisation will not occur.

11. TOXICOLOGICAL INFORMATION

Summary No specific data is available for this product.
Toxicological data has been evaluated/calculated for the mixture. The product is considered to have the following potential health effects.

Supporting Data

Acute	Oral	No data available
	Dermal	No data available
	Inhaled	No data available
	Eye	The mixture is considered to be irritating to the eyes based on the quantities of components in the mixture which have corrosivity/irritation classifications.
	Skin	No data available.
Chronic	Sensitisation	The mixture is considered to be sensitising to the skin based on the quantities of components in the mixture which have sensitisation classifications.
	Mutagenicity	No data available
	Carcinogenicity	No data available
	Reproductive/development	No data available
	Systemic	No data available
	Aggravation of existing conditions	None known

Product Name LOTUS INSTANT HAND SANITISER**12. ECOLOGICAL INFORMATION**

Summary	No specific data is available for this product.
Aquatic	No data available
Bioaccumulation	Not expected to bio-accumulate.
Degradability	Expected to be rapidly degradable.
Soil	No data available
Terrestrial vertebrate	No data available
Terrestrial invertebrate	No data available

13. DISPOSAL CONSIDERATIONS

Rinse containers well with water before disposal. Preferably recycle container, otherwise send to an authorized landfill or similar in accordance with all relevant, local, regional, and national regulations.

14. TRANSPORT INFORMATION

Road & Rail Transport	Not classified as dangerous goods by the criteria of NZS5433:2020 – Transport of Dangerous Goods on Land.
Sea Transport	Not classified as dangerous goods under the IMDG transport regulations.
Air Transport	Not classified as dangerous goods under the IATA/ICAO transport regulations.
UN Number	1170
Shipping Name	ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION)
DG Class	3
Packing Group	III
HAZCHEM	2YE
Marine Pollutant	No

15. REGULATORY INFORMATION

NZ EPA Approval Code	HSR002528 – Cleaning Products (Flammable) Group Standard 2020
NZIoC	All components are listed on the New Zealand Inventory of Chemicals.
MPI Approval Code	C54

Trigger quantities for this substance

	Trigger Quantity
Certified Handler	Not required.
Location Certificate	1,500L (when stored in containers 5L or less in size) 500L (when stored in containers more than 5L in size) 250L (when stored in open containers)
Tracking Trigger Quantities	Not required.
Signage Trigger Quantities	1,000L (Flammable Liquids 3)
Emergency Response Plan Trigger Quantities	10,000L (Flammable Liquids 3)

16. OTHER INFORMATION

SDS Version Number	1.0
SDS Issue Date	4 th April 2024
SDS Review Date	4 th April 2029
SDS Regulation	The content and format of this SDS is in accordance with HSNO COP 8-1 09-0-6: HSNO Approved Code of Practice – Preparation of Safety Data Sheets.
Disclaimer	This document is compiled based on current knowledge as provided by the suppliers or information obtained from third party sources relating to the hazard classification, safety, and handling precautions for this product. Dowco Associates Ltd has taken all due care to include accurate and up-to-date information in this document and does not provide any warranty as to accuracy or completeness. The information herein is given in good faith but no warranty, express or implied is made.

Product Name **LOTUS INSTANT HAND SANITISER**
Abbreviations:

AS/NZS	Joint Australian-New Zealand standard
CAS	Chemical Abstracts Service (Registry Number)
EPA	Environmental Protection Authority
ICAO	International Civil Aviation Organization
IMDG	International Maritime Dangerous Goods Regulations
NZIoC	New Zealand Inventory of Chemicals
NZS	New Zealand Standard
TWA	Time Weighted Average