

SAFETY DATA SHEET

1. IDENTIFICATION OF THE MATERIAL

Product Name: HAND SANITISER FOAM

Other names: ETHANOL SOLUTION

Recommended Use: Hand sanitising.

EMERGENCY TELEPHONE NO: POISONS INFORMATION CENTRE **13 1126** OR (08) 8347 0040

2. HAZARD IDENTIFICATION

Classification of the substance:

Flammable liquid - category 2

Eye irritation - category 2A

Label elements

Pictograms:



Signal word: Danger

Hazard statements:

Highly flammable liquid and vapour.

Causes serious eye irritation

Precautionary Statements:

P102: Keep out of reach of children.

P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P233: Keep container tightly closed.

P370 + P378: In case of fire: Use foam, CO₂ or Dry Chemical for extinction.

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

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

3. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Name</u>	<u>Proportion (v/v)</u>	<u>CAS Number</u>
Ethanol	10-30%	77-92-9
Quaternary ammonium compounds	0.075%	63449-41-2
Cocoamidopropylbetaine	<10%	61789-40-0
Other ingredients not classified as hazardous	Balance	Not classified as hazardous

4: FIRST AID MEASURES

For Advice, contact a Poisons Information Centre on 13 1126 (Australia wide) or a doctor.

Swallowed: If swallowed, do NOT induce vomiting.

Eye: If in eyes, wash out immediately with water.

Skin:	If skin or hair contact occurs, allow to evaporate dry (to sanitise hands) or wash off with water if the sanitising effect is not required.
Inhaled:	Not normally an inhalation hazard, however, if affected, remove from contaminated area. Apply artificial respiration if not breathing. If any suspicion of aspiration into lungs, e.g. through swallowing and vomiting, seek urgent medical assistance.
Advice to doctor:	Treat symptomatically.

5: FIRE FIGHTING MEASURES

Flammable

Specific Hazards:	Flammable Liquid. Decomposition products include oxides of carbon.
Extinguishing Media:	Alcohol resistant foam, dry chemical or CO ₂ . If alcohol resistant foam is unavailable, fine water spray may be used.
Unsuitable Extinguishing Media:	Water jet may be ineffective.
Protective Equipment for Firefighters:	Wear full protective clothing and self-contained breathing apparatus.
Hazchem Code:	•2YE

6: ACCIDENTAL RELEASE MEASURES

Observe all relevant local, federal and international regulations.

Protective measures: Extinguish all ignition sources. Increase ventilation. Avoid contact with spilled or released material. Immediately remove all contaminated clothing. For guidance on selection of personal protective equipment see Chapter 8 of this Safety Data Sheet. For guidance on disposal of spilled material see Chapter 13 of this Safety Data Sheet. Shut off all leaks if this is possible without personal risk. Contain to prevent environmental contamination. Prevent from spreading or entering drains, ditches or rivers using sand, earth or other inert barriers.

Spills: Spills are slippery, clean up all spills promptly. For small liquid spills (< 1 drum), mop up all possible material and place in a sealable container for re-use or disposal. Rinse off remainder with water. Dispose in accordance with Federal, State and Local regulations.
For large spills (> 1 drum), transfer by mechanical means, such as vacuum truck, to a salvage tank for recovery or safe disposal. Rinse off remaining residue with water. Dispose in accordance with Federal, State and Local regulations.

7: HANDLING AND STORAGE

Precautions:	Avoid contact with eyes. Wear suitable protective clothing and equipment (PPE) to prevent eye contact.
Storage:	Store, tightly sealed, away from foodstuffs and ignition sources. Ensure containers are correctly labelled, protected from potential damage and properly sealed when not in use.

8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure limits: No exposure limits available for this product, however, limits for its hazardous ingredient Ethanol are as follows:

Ingredient	Reference	TWA		STEL	
		ppm	mgm ⁻³	Ppm	mgm ⁻³
Ethanol	ACGIH	1000	1880		

Recommended Minimum Personal Protective Equipment:

- EYE PROTECTION:** Not normally required as product is viscous and is unlikely to splash into eyes through normal use. Safety glasses with side shields or splash proof chemical goggles recommended for spill cleanup.
- GLOVE TYPE:** Not normally required. For spill cleanup wear impervious rubber or PVC gloves.
- RESPIRATOR:** Not normally required under normal use conditions or potential mis-use.

9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Pale blue liquid with characteristic fragrance.
Boiling Point	78°C
Vapour Pressure	not determined
Specific Gravity	not determined
Flash Point	35°C
Solubility in water	Miscible in all proportions
pH	6.5 (±0.5) neat

10: STABILITY AND REACTIVITY

Chemical Stability:	Stable under ambient storage conditions.
Conditions to Avoid:	Do not use or store near sources of ignition.
Material to Avoid:	Do not mix with other chemicals, especially oxidising agents.
Decomposition:	If heated to decomposition, e.g. in a fire, oxides of carbon may be evolved.
Hazardous Reactions:	Flammable liquid. May react violently with strong oxidising agents.

11: TOXICOLOGICAL INFORMATION

Possible Health Effects:

Acute:

Swallowed:	Ingestion of large quantities will induce central nervous system depression. Aspiration during swallowing or vomiting may severely affect lungs.
Eye:	May be irritant.
Skin:	No known effects. People with sensitive skin may find this product drying. If affected, discontinue use.
Inhaled:	If finely atomised, spray mist may be irritant to the respiratory tract.

Toxicity Data:

No data exists for this product.

12: ECOLOGICAL INFORMATION

Environment:	Avoid release to the environment. Refer to Chapter 6 of this Safety Data Sheet.
Ecotoxicity:	Considered to have a low impact on the environment under normal use conditions.
Persistence/Degradability:	This product is phosphate free and is readily biodegradable according to standard test methods.

13: DISPOSAL CONSIDERATIONS

Waste Disposal:	Wear protective equipment. Refer to local authorities to ensure compliance with legislative requirements for correct disposal. Recover and recycle if possible.
Container Disposal:	Drain container thoroughly. After draining, rinse with water.
Local Legislation:	Disposal should be in accordance with applicable regional, nation and local laws and regulations. Local regulations may be more stringent than regional or national requirements and must be complied with.

14: TRANSPORT INFORMATION

Classified as a Dangerous Good according to the criteria of the ADG Code.

UN Number	1170
Proper Shipping Name:	ETHANOL SOLUTION
DG Class	3
Subsidiary Risk Class	none
Packaging Group	III
Hazchem Code	•2Y

Storage and Transport:	Transport in original container or one that is correctly labelled and approved for Dangerous Goods, Packaging Group III. Store away from food stuffs and in accordance with government regulations. Keep container tightly closed when not in use.
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15: REGULATORY INFORMATION

Poisons Schedule:	Not a Scheduled poison - According to the criteria of the Poisons Standard 2021.
AICS:	All ingredients listed on the Australian Inventory of Chemical Substances.

16: OTHER INFORMATION

MSDS Revision Date: September 2021
Reason for up-date: New formula.