

## Section 1. IDENTIFICATION

### Foaming Hand Sanitiser 80% Ethanol

**Description/Use:** Foam Hand Sanitiser Dye & Perfume Free

**Product Code:** 9-730

**Business Name:** Made by Zexa

**Address:** 28 Strathmore Road, Caves Beach NSW 2281

**Phone:** +61 2 4970 7777

**Fax:** + 61 2 9475 4880

**Email:** [sales@zexa.com.au](mailto:sales@zexa.com.au)

**Website:** [www.zexa.com.au](http://www.zexa.com.au)

**Issue Date:** 28<sup>th</sup> September 2021

**Review Date:** 28<sup>th</sup> September 2026

Use only according to directions on product spec sheet and label.

**Poisons Information Centre: Australia 13 11 26 NZ: 0800 764 766**

## Section 2. HAZARDS IDENTIFICATION

### Statement of Hazardous Nature

This material is classified as hazardous according to the criteria of the Globally Harmonised System of Classification and Labelling Chemicals (GHS).

### Classification of the substance or mixture:

Flammable Liquid - Category 2

Eye damage/irritation - Category 2



**SIGNALWORD:**

**DANGER**

### Hazard Statements

#### Physical hazards

**H225**

**Highly Flammable liquid and vapour**

#### Health hazards

**H319**

**Causes serious eye irritation**

### General Precautionary Statements:

**P102**

Keep out of reach of children

### Preventative Precautionary Statements:

**P210**

Keep away from heat/sparks/open flames/hot surfaces – No smoking

**P233**

Keep container tightly closed

**P240**

Ground/bond container and receiving equipment

**P241**

Use explosion-proof electrical/ventilating/light/.../equipment

**P242**

Use only non-sparking tools

**P243**

Take precautionary measures against static discharge

**P280**

Wear safety glasses.

### Response Precautionary Statements

**P370+P378**

In case of fire: Use Water for extinction.

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 Statements**

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

**Disposal Precautionary Statements**

P501 Dispose of contents/container to ... (specify) in accordance with local regulations.

**Poisons Schedule (SUSMP):** 5

### Section 3. COMPOSITION INFORMATION

**Ingredients**

Chemical Entity	CAS Number	Proportion	Risk Phrases
Ethanol	[64-17-5]	70 - 80%	H225, H319
WATER	[7732-18-5]	10 -20 %	
Ingredients determined not to be hazardous	Not applicable	to 100%	

### Section 4. FIRST AID

**Inhalation:** Move victim to fresh air. If symptoms develop, seek medical advice.

**Swallowed:** Flush mouth with water. DO NOT induce vomiting. Get immediate medical attention. For advice, call the POISONS INFORMATION CENTRE

**Eye Contact:** Immediately rinse with plenty of water for at least 15 minutes, holding eyelids open. Remove contact lenses if present and easy to do. Continue rinsing. For advice, call the POISONS INFORMATION CENTRE

**Skin Contact:** Irritation is unlikely. Wash skin with plenty of water. Remove contaminated clothing and wash before reuse.

**Symptoms caused by exposure:** Irritation is unlikely. If irritation does occur, flush with gently flowing water for 5 minutes or until product is removed. In case of prolonged contact (more than 15 minutes e.g. accidental spillage), remove contaminated clothing and launder before re-use. Rinse product from affected skin until removed.

**Medical attention and special treatment:** No Specific treatment. Treat symptomatically.

**Medical Conditions Aggravated by Exposure** Low to moderate toxicity: Irritant. This product has the potential to cause adverse health effects with chronic overexposure. Chronic ingestion may result in cirrhosis of the liver. Over exposure may cause central nervous system depression.

### Section 5. FIRE FIGHTING MEASURES

**Flammability Conditions** Product is a flammable liquid, Explosive Vapour.

**Extinguishing Media** In case of fire, appropriate extinguishing media include water fog or foam. Use water fog to cool intact containers and nearby storage areas.

**Hazardous Products of Combustion** Flammable liquid Vapours are heavier than air and may travel to an ignition source and flash back. Vapours can spread along the ground and collect in low or confined areas. Vapours form explosive mixtures with air. Toxic gases may be evolved when heated to decomposition, including carbon oxides and hydrocarbons.

**Personal Protective Equipment** Fire fighters should wear a positive-pressure self-contained breathing apparatus (SCBA) and protective fire-fighting clothing (includes fire-fighting helmet, coat, trousers, boots and gloves). Clear fire area of all nonemergency personnel. Stay upwind. Keep out of low areas where gases or fumes can accumulate. Do not use direct water stream. Eliminate ignition sources.

**Flash Point** 23.5 °C

**Lower Explosion Limit** 3.3 %

**Upper Explosion Limit** 19.0 %

**Auto Ignition Temperature** No Data Available

**Hazchem Code** 3[Y]E

### Section 6. ACCIDENTAL RELEASE MEASURES

#### Spills & Disposal

Note: spillages are slippery. Wear appropriate protective equipment. Cordon off the spillage area. Isolate the source of the spillage or leak. Contain the spillage using a suitable non-flammable absorbent material such as sand or diatomaceous earth and then transfer into sealed plastic containers for disposal.

### Section 7. HANDLING AND STORAGE

Do not use this product for any application other than that outlined on the label or technical bulletin.

Store in original containers in a clean, dry, cool, well ventilated place away from foodstuffs. Keep containers sealed when not in use. It is recommended that this product be dispensed through approved dispensers.

### Section 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**National Exposure**

No value assigned by NOHSC for any ingredients used in this product. However the following information on constituents is:

ETHANOL: ES - TWA: 1000ppm (1880mg/m<sup>3</sup>) WES - TWA: 1000 ppm (1880mg/m<sup>3</sup>)

NOTE: The exposure value at the TWA is the average airborne concentration of a particular substance when calculated over a normal 8 hour working day for a 5 day working week.

**Exposure Limits:** No Data Available

**Biological Limits** No information available on biological limit values for this product.

**Engineering Measures** Not required

**Personal Protection Equipment**

- RESPIRATOR:** Not required with normal use
- EYES:** Avoid splashing into eyes during use
- HANDS:** Not required
- CLOTHING:** Not required
- Work Hygienic Practices No Data Available

**Engineering Controls:** Natural ventilation adequate under normal conditions of use.

### Section 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance:</b>	Clear colourless foaming liquid	<b>Colour</b>	Colourless
<b>Flashpoint (°C):</b>	Not applicable	<b>Boiling Point (°C):</b>	NA
<b>Flammability Limits (%):</b>	Not applicable	<b>Vapour Pressure:</b>	Not available
<b>Water Solubility:</b>	Soluble at all use proportions	<b>Specific Gravity:</b>	0.90
<b>Odour</b>	Alcohol	<b>pH:</b>	6

### Section 10. STABILITY AND REACTIVITY

<b>Chemical Stability</b>	Product is stable under directed conditions of use, storage and temperature. Flammable liquid.
<b>Conditions to Avoid</b>	Avoid excessive heat, direct sunlight, moisture, freezing, static charges and high temperatures.
<b>Materials to Avoid</b>	Incompatible materials include oxidizing agents, acids, alkalis, heat and ignition sources.
<b>Hazardous Decomposition Products</b>	Toxic gases may be evolved when heated to decomposition, including carbon oxides and hydrocarbons.
<b>Hazardous Polymerisation</b>	No Data Available

### 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.

#### General Information

ETHANOL: Oral LD<sub>50</sub> Rat: 3450mg/Kg Inhalation LC<sub>50</sub> Rat: 2000ppm/10 hours

<b>Eye Irritant</b>	Irritating to eyes. Exposure may result in lacrimation, irritation, pain, and redness.
<b>Ingestion</b>	Harmful if swallowed. Ingestion may result in gastrointestinal irritation, nausea, vomiting, abdominal pain, diarrhoea, headache, dizziness and drowsiness with large doses. Liver damage may occur with high level of chronic ingestion.
<b>Inhalation</b>	Harmful if inhaled. Irritating to respiratory system. Inhalation may cause irritation to the respiratory system, nose and throat irritation with coughing and headache. Over exposure may result in nausea, dizziness, and drowsiness.
<b>Skin Irritant</b>	May be irritating to skin. Prolonged contact may result in drying and defatting of the skin, rash and dermatitis. Toxic effects may result from skin absorption.
<b>Carcinogen Category</b>	0

### Section 12. ECOLOGICAL INFORMATION

**Eco toxicity** Ethanol: If spilled on soil, ethanol will either evaporate or leach into the ground due to the relatively high vapour pressure and low absorption in soil. It will biodegrade, probably to acetic acid and formaldehyde.

**Ethanol** will volatilise from water and biodegrade, and is not expected to bio-concentrate. It will photo-degrade in air with a half-life ranging from hours (polluted air) to days (clean air).

- Fish Toxicity: LC0 (Golden Ide) >1000mg/L/48hrs.
- Invertebrate Toxicity: EC50 (Daphnia Magna) is >1000mg/L/24hrs.

#### Aquatic Toxicity:

- Arthropoda toxicity No effect level (Daphnia) is 10g/L/48hrs.
- Fish Toxicity: TLm (Trout) is 8000mg/L/48hrs.
- Amphibian Toxicity: LDlo (Frog) is 59gm/Kg.

**Persistence/Degradability** No information available on persistence/degradability for this product.

**Mobility** No information available on mobility for this product.

**Environmental Fate** Do NOT let product reach waterways, drains and sewers.

**Bioaccumulation Potential** No information available on bioaccumulation for this product.

**Environmental Impact** No Data Available

### Section 13. DISPOSAL CONSIDERATIONS

**Disposal methods:** Refer to Waste Management Authority. Dispose of contents/container in accordance with local/regional/national/international regulations.

### Section 14. TRANSPORT INFORMATION

**Road and Rail Transport** Classified as Dangerous Goods by the criteria of the Australian Dangerous Goods Code (ADG Code) for Transport by Road and Rail; DANGEROUS GOODS.

**UN No:** 1993  
**Transport Hazard Class:** 3 FLAMMABLE  
**Packing Group:** II  
**Proper Shipping Name:** FLAMMABLE LIQUID N.O.S. (Contains: ETHANOL)  
**EPG:** 14 Liquids – Highly Flammable  
**Hazchem or Emergency Action Code:** 3[Y]E



**Marine Transport** Classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea; DANGEROUS GOODS.

**UN No:** 1993  
**Transport Hazard Class:** 3 FLAMMABLE  
**Packing Group:** II  
**Proper Shipping Name:** FLAMMABLE LIQUID N.O.S. (Contains: ETHANOL)  
**IMDG EMS Fire:** F-E  
**IMDG EMS Spill:** S-D  
**Marine Pollutant:** No

**Air Transport** Classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air; DANGEROUS GOODS.

**UN No:** 1993  
**Transport Hazard Class:** 3 FLAMMABLE  
**Packing Group:** II  
**Proper Shipping Name:** FLAMMABLE LIQUID N.O.S. (Contains: ETHANOL)

### Section 15. REGULATORY INFORMATION

<b>Poisons Schedule</b>	5
<b>EPG</b>	Guide 14
<b>AICS Name</b>	All ingredients are on inventory

**Classification:**

**HAZARDOUS** according to the criteria of the Globally Harmonised System of Classification and Labelling of Chemicals (GHS).

**Classification of the substance or mixture:**

Flammable Liquid	- Category 2
Eye Damage/Irritation	- Category 2

**Hazard Statement(s):**

**Physical Hazards**

H225 Highly Flammable liquid and vapour.

**Health hazards**

H319 Causes serious eye irritation

All ingredients are listed in the Australia Inventory of Chemical Substances (AICS). This document has been produced in accordance with the requirements of the Globally Harmonised System of Classification and Labelling.

This SDS summarises at the date of issue our best knowledge of the health and safety hazard information of this product and, in particular, how to safely handle and use this product in the workplace. Since the supplier cannot anticipate or control the conditions under which the product may be used, each user must, prior to usage, review this SDS in the context of how the user intends to handle and use the product in the workplace. If clarification or further information is needed to ensure that an appropriate assessment can be made, the user should contact this supplier.

### Section 16. OTHER INFORMATION

**Abbreviations and acronyms:**

ADG Code: Australian Code for the Transport of Dangerous Goods by Road and Rail.

AICS: Australian Inventory of Chemical Substances.

CAS Number: Chemical Abstracts Service Registry Number.

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

HAZCHEM: An emergency action code of numbers and letters which gives information to emergency services.

HSIS: Hazardous Substances Information System

IARC: International Agency for Research on Cancer.

NOHSC: National Occupational Health and Safety Commission.

NTP: National Toxicology Program (USA).

SDS: Safety Data Sheet

STEL: Short Term Exposure Limit.

SUSMP: Standard for the Uniform Scheduling of Medicines and Poisons.

TWA: Time Weighted Average. UN Number: United Nations Number.

**Literature references:**

- Preparation of Safety Data Sheets for Hazardous Chemicals – Code of Practice (Safe Work Australia)
- GHS Hazardous Chemical Information List (Safe Work Australia)
- Guidance on the Classification of Hazardous Chemicals under the WHS Regulations. Safe Work Australia.
- Global Harmonized System of Classification and Labelling of Chemicals
- “Australian Exposure Standards”
- Australian Code For The Transport Of Dangerous Goods By Road And Rail
- Standard for the Uniform Scheduling of Medicines and Poisons
- Material Safety Data Sheets – individual raw materials – Suppliers.
- Approved Criteria for Classifying Hazardous Substances NOHSC:1008(1999)]
- Hazardous Substance Information System – National Worksafe Data Base.
- Hazardous Chemical Information System (HCIS).
- Implementation of the globally harmonised system of classification and labelling of chemicals (GHS).
- ECHA (European Chemicals Agency)

End