

SAFETY DATA SHEET

Classified as hazardous

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name : Davroe Hand Sanitiser
Other Name(s): -
Product Code 8900 / 8901 / 8903
Company Name: Dresslier & Co (Australia) Pty Ltd
Address: 42 Stradbroke Road,
Newton,
South Australia,
5074
Telephone: +61 8 8337 6177
Emergency Telephone: 61 8 8337 6177
Recommended use of the chemical Leave on hand sanitiser

2. HAZARD IDENTIFICATION

Classification of the substance or mixture: Classified as **Hazardous** according to the Globally Harmonised System of Classification and labeling of Chemicals (GHS) including Work, Health and Safety regulations, Australia.
Classified as **Dangerous Goods** according to the Australian Code for the Transport of Dangerous Goods by Road & Rail (7th edition).
Flammable liquids: Category 2

Signal Word (s): Danger
Hazard Statement (s): H225 Highly Flammable liquid and vapour.
Pictogram (s): Flame



Precautionary Statement – Prevention: P103 - Read label before use.
P210 - Keep away from heat/sparks/open flames/hot surfaces. – No smoking.

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P233 - Keep container tightly closed.
 P240 - Ground/bond container and receiving equipment.
 P241 - Use explosion-proof electrical /ventilating /lighting /equipment.
 P242 - Use only non-sparking tools.
 P243 - Take precautionary measures against static discharge.
 P280 - Wear protective gloves/protective clothing/eye protection/face protection

Precautionary Statement – Response: P303+P361+P353 IF ON SKIN (or hair) - Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

Precautionary Statement – Storage: P370+P378 - In case of fire: Use carbon dioxide, dry chemical, foam, water fog or water mist for extinction. P403+P235 Store in a well-ventilated place. Keep cool.

Precautionary Statement – Disposal: See Section 13 for disposal details

3. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Name</u>	<u>CAS</u>	<u>Proportion</u>
Ethanol	64-17-5	60-80%
Ingredients determined not to be hazardous		Balance

4. FIRST AID MEASURES

Inhalation: If inhaled, remove affected person from contaminated area. Keep at rest until recovered. If symptoms develop and/or persist seek medical attention.

Ingestion: Do not induce vomiting. Wash out mouth thoroughly with water. Seek medical attention.

Skin: If irritation develops, discontinue use. Seek medical attention.

Eye contact: If in eyes, hold eyelids apart and flush the eyes continuously with running water. Remove contact lenses. Continue flushing for several minutes until all contaminants are washed out completely. If symptoms develop, seek medical attention.

First Aid Facilities: Eyewash and normal washroom facilities.
 Advice to Doctor: Treat symptomatically.

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Other information: For advice in an emergency, contact a Poisons Information Centre (Phone Australia 131 126) or a doctor at once.

5. FIRE FIGHTING MEASURES

Suitable extinguishing Media: Use carbon dioxide, dry chemical, foam, water fog or water mist. Alcohol resistant foam is preferred. If not available fine water spray/mist can be used.

Unsuitable extinguishing Media: Do not use water jet.

Hazards from Combustion: Under fire conditions this product may emit toxic and/or irritating fumes and gases including carbon monoxide and carbon dioxide.

Specific hazards arising from the chemical: Highly flammable liquid and vapour. Vapour/air mixtures may ignite explosively. Flashback along the vapour trail may occur. Runoff to sewer may create fire or explosion hazard.

Hazchem Code: ·2YE

Decomposition Temp.: Not available

Precautions in connection with fire: Fire fighters should wear full protective clothing and self-contained breathing apparatus (SCBA) operated in positive pressure mode. In case of fire the product may be violently or explosively reactive. Use water spray to disperse vapours. This product should be prevented from entering drains and watercourses.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions protective equipment, and emergency procedures: Wear appropriate personal protective equipment and clothing to prevent exposure. Extinguish or remove all sources of ignition and stop leak if safe to do so. Increase ventilation. Evacuate all unprotected personnel. If possible contain the spill. Spillage can be slippery. Place inert absorbent, non-combustible material onto spillage. Use clean non-sparking tools to collect the material and place into suitable labelled containers for subsequent recycling or disposal. Dispose of waste according to the applicable local and national regulations. If contamination of sewers or waterways occurs inform the local water and waste management authorities in accordance with local regulations

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7. HANDLING AND STORAGE

Precautions for safe Handling:

Follow instructions on label. Wear appropriate personal protective equipment and clothing to prevent exposure. Handle and use the material in a well-ventilated area, away from sparks, flames and other ignition sources. Have emergency equipment (for fires, spills, leaks, etc.) readily available. Work from suitable, labelled, fire-resistant containers. Open containers carefully as they may be under pressure. Keep containers tightly closed. Flameproof equipment is necessary in areas where the product is being used. Take precautionary measures against static discharges. Earth or bond all equipment. Do not empty into drains. Ensure a high level of personal hygiene is maintained when using this product, that is, always wash hands before eating, drinking, smoking or using the toilet facilities

Conditions for safe storage, Including any Incompatibilities:

Store in a cool, dry, well-ventilated area away from sources of ignition, oxidising agents, strong acids, foodstuffs, and clothing. Keep containers closed when not in use, securely sealed and protected against physical damage. Inspect regularly for deficiencies such as damage or leaks. Have appropriate fire extinguishers available in and near the storage area. Take precautions against static electricity discharges. Use proper grounding procedures. Ensure that storage conditions comply with applicable local and national regulations. For information on the design of the storeroom, reference should be made to Australian Standard AS1940 - The storage and handling of flammable and combustible liquids.

Storage temperatures:

Store at temperatures 20-25°C.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational exposure limit values:

No exposure standards have been established for this material by Safe Work, Australia. However, over-exposure to some chemicals may result in enhancement of pre-existing adverse medical conditions and/or allergic reactions and should be kept to the least possible levels. The available exposure limits for ingredients are listed below:
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Substance	TWA (ppm)	TWA (mg/m ³)	STEL (mg/m ³)
Ethanol	1000	1880	Not set

TWA (Time Weighted Average): The average airborne concentration of a particular substance when calculated over a normal eight-hour working day, for a five-day week.

STEL (Short Term Exposure Limit): The average airborne concentration over a 15 minute period which should not be exceeded at any time during a normal eight-hour workday.

Biological limit values:	No biological limits allocated
Appropriate Engineering controls:	Generally not required.
Respiratory protection:	Not required under normal conditions of use. For industrial applications: An approved respirator with a replaceable mist filter should be used. Reference should be made to Australian/New Zealand Standards AS/NZS 1715, Selection, Use and Maintenance of Respiratory Protective Devices; and AS/NZS 1716, Respiratory Protective Devices, in order to make any necessary changes for individual circumstances.
Eye protection:	Not required. However, avoid eye contact. For industrial applications: Safety glasses with side shields or chemical goggles should be worn. Final choice of appropriate eye/face protection will vary according to individual circumstances. Eye protection devices should conform with Australian/New Zealand Standard AS/NZS 1337 - Eye Protectors for Industrial Applications.
Hand protection:	Not required under normal conditions of use. For industrial applications: Wear gloves of impervious material. Final choice of appropriate gloves will vary according to individual circumstances i.e. methods of handling or according to risk assessments undertaken. Reference should be made to AS/NZS 2161.1: Occupational protective gloves - Selection, use and maintenance.
Body protection:	No special clothing required under normal conditions of use. For industrial applications: Suitable protective work wear, e.g. cotton overalls buttoned at neck and wrist is recommended. Chemical

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resistant apron is recommended where large quantities are handled.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	White opaque gel
Colour:	White
Odour:	Ethanollic / Characteristic
Decomposition temperature:	Not available
Melting Point:	Not available
Boiling Point:	Not available
Solubility in Water:	Not available
pH:	5.0 – 6.0 (25°C, 1% solution)
Vapour Pressure:	Not available
Vapour Density:	Not available
Evaporation Rate:	Not available
Odour Threshold:	Not available
Viscosity:	3,500 – 6,500 mPa.s
Partition Coefficient:	Not available
Density:	Not available
Flash Point:	22°C
Flammability Limits:	LEL: 3.3% UEL: 19%
Ignition temperature:	363°C

10. STABILITY AND REACTIVITY

Reactivity:	Reacts with incompatibles.
Chemical Stability:	Stable under normal conditions of storage and handling.
Conditions to Avoid:	Heat, open flames and other sources of ignition
Incompatible Materials:	Strong oxidizing agents.
Hazardous Decomposition Products:	Thermal decomposition may result in the release of toxic and/or irritating fumes, smoke and gases including carbon monoxide and carbon dioxide.

11. TOXICOLOGICAL INFORMATION

Toxicology Information:	No toxicity data available.
Ingestion:	Ingestion of this product may irritate the gastric tract causing nausea and vomiting.
Inhalation:	Inhalation of product vapours may cause irritation of the nose, throat and respiratory system.
Skin:	May cause mild skin irritation in some sensitive individuals.

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Eye:	May be irritating to eyes. The symptoms can include redness, itching and tearing.
Respiratory Sensitisation:	Not expected to be a respiratory sensitizer.
Skin Sensitisation:	Not expected to be a skin sensitizer.
Germ cell mutagenicity:	Not considered to be a mutagenic hazard.
Carcinogenicity:	Not expected to be a carcinogenic hazard.
Reproductive Toxicity:	Not considered to be toxic to reproduction.
STOT –single exposure:	Not expected to cause toxicity to a specific target organ.
STOT – repeated exposure:	Not expected to cause toxicity to a specific target organ.
Aspiration Hazard:	Not expected to be an aspiration hazard.

12. ECOLOGICAL INFORMATION

Ecotoxicity:	Not available.
Persistence and degradability:	Not available.
Mobility:	Not available.
Bioaccumulative Potential:	Not available.
Environmental Protection:	Prevent this material entering waterways, drains and sewers.

13. DISPOSAL CONSIDERATIONS

Disposal Considerations:	Dispose of waste according to applicable local and national regulations. Labels should not be removed from containers until they have been cleaned. Do not cut, puncture or weld on or near containers. Empty containers may contain flammable residues. Contaminated containers must not be treated as household waste. Containers should be cleaned by appropriate methods and then re-used or disposed of by landfill or incineration as appropriate. Do not incinerate closed containers. Advise flammable nature.
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14. TRANSPORT INFORMATION

Transport Information:	This material is a Class 3 - Flammable Liquid according to The Australian Code for the Transport of Dangerous Goods by Road and Rail. (7th edition) Class 3 - Flammable Liquids are incompatible in a placard load with any of the following:- <ul style="list-style-type: none">- Class 1, Explosives- Division 2.1, Flammable Gases, (Division 2.1 and Class 3 are incompatible in transport if both are in tanks or other receptacles with a capacity individually exceeding 500 L.)
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- Division 2.3, Toxic Gases
- Division 4.2 Spontaneously Combustible Substances
- Division 5.1 Oxidising Agents and Division 5.2, Organic Peroxides
- Class 6 Toxic or Infectious Substances (where the flammable liquid is nitromethane)
- Class 7: Radioactive materials unless specifically exempted

Marine Transport (IMO/IMDG):

Classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea.

UN No.: 1170

Proper Shipping Name: ETHANOL

Class: 3

Packaging Group: II

EMS No.: F-E, S-D

Special Provision(s): 144

Air Transport (ICAO/IATA):

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

UN No.: 1170

Proper Shipping Name: Ethanol

Class: 3

Packaging Group: II

Label: Flammable liquid

Packaging Instructions (passenger & cargo): 353

Packaging Instructions (cargo only): 364

Special Provision(s): A3 A58 A18

UN Number: 1170

UN proper shipping name: ETHANOL (ETHYL ALCOHOL)

Transport hazard class(es): 3

Hazchem Code: ·2YE

Packing Group: II

EPG Number: 3A1

IERG Number: 14

IMDG Marine Pollutant: No

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15. REGULATORY INFORMATION

Regulatory Information:	Classified as Hazardous according to the Globally Harmonised System of Classification and labelling of Chemicals (GHS) including Work, Health and Safety regulations, Australia.
Poisons Schedule:	Not classified as a Scheduled Poison according to the Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP)

16. OTHER INFORMATION

Date of preparation or last revision of SDS:	Revised 20 th February, 2023
Literature References:	Preparation of Safety Data Sheets for Hazardous Chemicals Code of Practice. Standard for the Uniform Scheduling of Medicines and Poisons. Australian Code for the Transport of Dangerous Goods by Road & Rail. Model Work Health and Safety Regulations, Schedule 10: Prohibited carcinogens, restricted carcinogens and restricted hazardous chemicals. Workplace exposure standards for airborne contaminants, Safe work Australia. Globally Harmonised System of classification and labelling of chemicals.