

SAFETY DATA SHEET

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name: BARRIER SPRAY LS1864

Synonyms:

Use: Barrier sanitiser.

Supplier: Advance Chemicals

ABN: 61 005 625 025

Street Address: 4 – 8 Malton Court, Altona, 3018

Telephone Number: (03) 9398 4444

Facsimile: (03) 9398 5278

Emergency Telephone: Ted Powell (03) 9398 4444 (Business Hours)
0425 800 022 (After Hours)

2. HAZARDS IDENTIFICATION

Classified as hazardous according to criteria of the Globally Harmonised System of Classification and Labelling of Chemicals 3rd Revised Edition.

Hazard Classification: HAZARDOUS SUBSTANCE, DANGEROUS GOODS.

Classification of the substance or mixture:

Flammable Liquid – Category 2

SIGNAL WORD: DANGER



Hazard Statement(s):

H225 – Highly flammable liquid and vapour.

Precautionary Statement(s):

Prevention:

P102 Keep out of reach of children.

P103 Read label before use.

P104 Read Safety Data Sheet before use.

P210 – Keep away from ignition sources – No smoking.

P233 – Keep container tightly closed.

P240 – Ground/Bond container and receiving equipment

P241 – use explosion – proof equipment when handling this product.

P242 – Use only non-sparking tool.

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P243 – Take precautionary measures against static discharge.

P280 - Wear eye protection/ face protection.

Response:

P370 + P378 – In case of fire use alcohol resistant foam, Dry Chemical, CO₂ or water fog.

Storage:

P405 – Store in a well-ventilated place. Keep cool.

Disposal:

P501: Dispose of contents/container in accordance with local waste management authority.

Poisons Schedule (Australia): Not applicable

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Entity	C.A.S. No.	Proportion	Risk phrases
Ethanol	64-17-5	60 - 80%	H225
Non dangerous goods		To 100%	

4. FIRST AID MEASURES

Inhalation: Remove victim from exposure - avoid becoming a casualty. Allow patient to assume most comfortable position and keep warm. Keep at rest until fully recovered. Give artificial respiration if breathing stops.

Skin Contact: Not applicable.

Eye Contact: Immediately hold eyes open and flood with water for at least 15 minutes. Eyelids are to be held open. Get medical attention

Ingestion: rinse mouth with water. If a minor amount has been accidentally swallowed then if conscious, give large amounts of water to drink. Do not induce vomiting. Consider inducing vomiting only under medical supervision. If vomiting occurs spontaneously, keep head below hips to prevent aspiration. Seek immediate medical assistance.

Medical advice: For advice, contact Poisons Information Centre, phone 131126, or call a doctor.

Notes to Doctor: Treat symptomatically.

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5. FIRE FIGHTING MEASURES

Specific Hazards: Burns with a colourless flame and may form explosive mixture with air.

Firefighting advice: For fires in enclosed areas fire fighters must wear self contained breathing apparatus. Overheating of containers may cause rupture. Use water to cool fire exposed containers. Vapour/air mixture may ignite explosively.

Suitable Extinguishing Media: Foam, Dry Chemical, CO₂, Water Fog.

Hazchem Code: N/A

Flammability: Highly Flammable

6. ACCIDENTAL RELEASE MEASURES

Shut off all possible sources of ignition. Increase ventilation. Consider using water spray to disperse any vapour formed. Clear area of all unprotected personnel. Warn occupants downwind. Wear protective equipment to prevent eye contamination and inhalation of vapours. Contain using sand, soil – prevent run off into drains and waterways. Use absorbent (soil, sand, vermiculite or other inert material). Collect and seal in properly labelled containers for disposal.

If contamination of sewers or waterways has occurred advise the necessary authorities. NOTE: Addition of large amounts of water (at least 10 times) can convert spills to non-flammable solutions.

7. HANDLING AND STORAGE

Handling advice: Use in well ventilated areas away from ignition sources. Only use equipment that is intrinsically safe for use with flammable liquids and vapours. Containers must be earthed when agitating or transferring to dissipate any static electrical charging that may occur. Keep containers closed when not in use.

Storage advice: Store in a cool, well ventilated area, out of direct sunlight and away from heat and ignition sources. Store away from oxidising agents, concentrated nitric acid and concentrated sulphuric acid.

8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

Occupational Exposure Limits: Time Weighted Average (TWA) for ethanol is 1000 ppm, or 1880 mg/m³.

Engineering Controls: Ensure ventilation is adequate to maintain air concentrations below exposure standards. Local exhaust ventilation is recommended where vapours are likely to be generated.

Personal Protection Equipment: Avoid eye contact. Safety glasses is recommended. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other equipment before storage.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Clear, colourless, mobile liquid, with a slight sharp smell.

Boiling Point: 78°C

Flash Point: 22°C

Flammability Limits: Not known

Specific Gravity: 0.8 at 20°C

pH (neat): 3.0 – 5.0

Solubility in water: Soluble in all proportions

Corrosiveness: Non-corrosive

10. STABILITY AND REACTIVITY

Stability: Stable when stored in sealed container at room temperature.

11. TOXICOLOGICAL INFORMATION

Ethanol is generally regarded as one of the safest industrial solvents. Although it possesses narcotic properties, vapour concentrations sufficient to produce this effect are rarely reached in industry. Ethanol in low doses is rapidly oxidised in the body to carbon dioxide and water.

Acute Health Effects:

Ingested: Significant absorption can result in central nervous system and result in central nervous system depression with symptoms of excitation, euphoria, headache, dizziness, blurred vision, fatigue and nausea. Large doses may cause unconsciousness.

Eye: May injure tissue, moderately irritating causing redness.

Skin: Unlikely to cause skin irritation following brief or occasional contact; however, repeated or prolonged contact may cause skin irritation and may lead to dermatitis. Will have a degreasing action on the skin. Repeated exposure may cause skin dryness and cracking.

Inhaled: Vapour may irritate the mucous membranes and respiratory tract. Vapours can affect the central nervous system and result in headaches, dizziness and possible nausea. High concentrations of vapours, if exposure is prolonged, may cause loss of co-ordination, impaired judgement and unconsciousness.

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Chronic: Repeated or prolonged exposure by inhalation or ingestion can result in liver damage. Chronic exposure to Ethanol may cause degenerative changes in the gastrointestinal tract, kidneys and heart muscle.

12. ECOLOGICAL INFORMATION

Avoid contaminating waterways.

13. DISPOSAL CONSIDERATIONS

Refer to Waste Management Authority.

14. TRANSPORT INFORMATION

UN Number: 1170

Proper Shipping Name: ETHANOL (ETHYL ALCOHOL) or ETHANOL SOLUTIONS (ETHYL ALCOHOL SOLUTIONS).

Dangerous Goods Class: 3

Subsidiary risk: Not Applicable

Packing Group: II

Hazchem Code: 2YE

Road and Rail Transport: Classified as Class 3 Dangerous Goods by criteria of the Australian Code for Transport of Dangerous Goods by Road and Rail.



15. REGULATORY INFORMATION

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Version: 1

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Poisons Schedule: Not applicable.

16. OTHER INFORMATION

This S.D.S. is valid for 5 years from the date of issue but may be withdrawn and revised anytime prior to that date. Please ensure that you are using the latest issue.

All information contained in this Safety Data Sheet is as accurate and up-to-date as possible. Since ADVANCE CHEMICALS cannot anticipate or control the conditions under which this information can be used, each user must review this information in the specific context of the intended application.

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