

Infosafe No™ VAR9S	Issue Date : November 2024	ISSUED by MILESTON
Product Name ALCOSAN		

Section 1 - Identification

Product Identifier	ALCOSAN
Company Name	Milestone Chemicals Pty. Ltd. (ABN 85115166357)
Address	115 Northern Road West Heidelberg VIC 3081 AUSTRALIA
Telephone/Fax Number	Tel: (03) 9450 4555 Fax: (03) 9457 5518
Emergency Phone Number	(03) 9450 4555 Mon-Fri 8am - 6pm
Recommended use of the chemical and restrictions on use	Non-residual evaporative surface sanitiser.

Section 2 - Hazard(s) Identification

GHS Classification of the Substance/Mixture	Eye damage/irritation: Category 2A Flammable liquids: Category 2 Specific target organ toxicity (single exposure): Category 3 (Narcotic)
Signal Word	DANGER
Hazard Statement (s)	H225 Highly flammable liquid and vapour. H319 Causes serious eye irritation. H336 May cause drowsiness or dizziness.
Pictogram (s)	Exclamation mark, Flame



Precautionary Statement – Prevention	P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P233 Keep container tightly closed. P243 Take action to prevent static discharges. P261 Avoid breathing dust/fume/gas/mist/vapours/spray. P264 Wash contaminated skin thoroughly after handling. P271 Use only outdoors or in a well-ventilated area. P280(f) Wear protective gloves/protective clothing/eye protection/face protection.
Precautionary Statement – Response	P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower]. P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P312 Call a POISON CENTER/doctor if you feel unwell. P337+P313 If eye irritation persists: Get medical advice/attention. P370+P378 In case of fire: Use carbon dioxide, dry chemical, and foam to extinguish.
Precautionary Statement – Storage	P403+P233 Store in a well-ventilated place. Keep container tightly closed. P405 Store locked up.
Precautionary Statement – General	P102 Keep out of reach of children. P103 Read carefully and follow all instructions.

Section 3 - Composition and Information on Ingredients

Ingredients	Name	CAS	Proportion
	Water	7732-18-5	to 100%
	Ethanol	64-17-5	70% v/v

Section 4 - First Aid Measures

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Inhalation	If inhaled, remove from contaminated area. Apply artificial respiration if not breathing. Seek medical attention.
Ingestion	Do not induce vomiting. Wash out mouth thoroughly with water. Seek medical attention.
Skin	Wash affected area thoroughly with soap and water. Remove contaminated clothing and wash before reuse or discard. If symptoms develop seek medical attention.
Eye	If in eyes, hold eyelids apart and flush the eyes continuously with running water. Continue flushing for at least 15 minutes. Seek medical attention.
First Aid Facilities	Eye wash and normal washroom facilities.
Advice to Doctor	Treat symptomatically.

Section 5 - Firefighting Measures

Suitable Extinguishing Media	Use carbon dioxide, dry chemical, and foam.
Hazards from Combustion Products	Under fire conditions this product may emit toxic and/or irritating fumes including carbon monoxide and carbon dioxide.
Special Protective Equipment for Firefighters	Self-contained breathing apparatus (SCBA) required for fire-fighting personnel. If possible to do so safely, shut off fuel to fire. Use water spray to spray to cool fire-exposed surfaces and to protect personnel. Avoid spreading burning liquid with water used for cooling fire exposed containers when using water spray, boil-over may occur when the product temperature reaches the boiling point of water.
Specific Hazards Arising from the Chemical	This product is highly flammable. Keep storage tanks, pipelines, fire-exposed surfaces etc cool with water spray. Shut off any leak if safe to do so and remove sources of re-ignition. Vapour/air mixtures may ignite explosively. Flashback along the vapour trail may occur. Runoff to sewer may create fire or explosion hazard. Vapours from this product may travel or be moved by air currents and be ignited by pilot lights, other flames, smoking, sparks, heaters, electrical equipment, static discharge or other ignition sources at locations distant from the point of handling.
Hazchem Code	•2YE
Precautions in connection with Fire	Fire-fighters should wear full protective clothing and self contained breathing apparatus (SCBA) operated in positive pressure mode. Water spray may be used to keep fire exposed containers cool.

Section 6 - Accidental Release Measures

Spills & Disposal	Wear appropriate personal protective equipment and clothing to avoid 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. Place inert non-combustible absorbent material onto spillage. DO NOT use sawdust. Use clean non-sparking tools to collect the material and place into suitable labelled containers. Dispose of waste according to federal, Environmental Protection Authority and state regulations. If the spillage enters the waterways contact the Environmental Protection Authority, or your local Waste Management Authority.
Clean-up Methods - Large Spillages	Notify Emergency Services (Police or Fire Brigade). Tell them exact location, nature, hazards, quantities, type of vehicle and any other information that would be helpful. Contain spill. Remove all ignition sources and safely stop flow of spill. Bund area. Trained personnel should wear Personal Protective equipment as highlighted in this MSDS. Blanket the spill with foam or use water fog to disperse vapour clouds. Consult an expert regarding disposal of this product.

Section 7 - Handling and Storage

Precautions for Safe Handling	Open containers cautiously as contents may be under pressure. Use only in a well ventilated area. DO NOT store or use in confined spaces. Keep tank covered and containers sealed when not in use. Build up of mists or vapours in the atmosphere must be prevented. Avoid inhalation of vapour and mists, skin or eye contact. Do not use near welding or other ignition sources and avoid
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Conditions for safe storage, including any incompatibilities	sparks. Do NOT pressurise, cut, heat or weld containers as they may contain hazardous residues. Do not smoke. Wear appropriate protection. It is essential that all who come into contact with this material maintain high standards of personal hygiene i.e. Washing hands prior to eating, drinking, smoking or using toilet facilities. Store in a cool, dry, well-ventilated area away from sources of ignition, oxidising agents, foodstuffs, and clothing and out of direct sunlight. Keep containers closed when not in use and securely sealed and protected against physical damage. Inspect regularly for deficiencies such as damage or leaks. Always keep in containers made of the same material as the supply container. Have appropriate fire extinguishers available in and near the storage area. Take precautions against static electricity discharges. Use proper grounding procedures. 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. Reference should also be made to all State and Federal regulations.
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Section 8 - Exposure Controls and Personal Protection

Occupational Exposure Limit (OEL) Values	No exposure standards have been established for this material by the Australian National Occupational Health & Safety Commission (NOHSC). However, the exposure standards for the ingredients are stated below: Australian National Occupational Health And Safety Commission (NOHSC) Exposure Standards:					
	Substance	TWA		STEL		Notices
		ppm	mg/m ³	ppm	mg/m ³	
	Ethanol	1000	1880	-	-	-
Engineering Controls	TWA - the Time-Weighted Average airborne concentration over an eight-hour working day, for a five-day working 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.					
	Provide sufficient ventilation to keep airborne levels below the exposure limits. Where vapours or mists are generated, particularly in enclosed areas, and natural ventilation is inadequate, a flameproof exhaust ventilation system is required. Refer to AS 1940 - The storage and handling of flammable and combustible liquids and AS/NZS 2430.3.1:1997 : Classification of hazardous areas - Examples of area classification - General, for further information concerning ventilation requirements.					
	If engineering controls are not effective in controlling airborne exposure then respiratory protective equipment should be used. Type of breathing protection required will vary according to individual circumstances. Expert advice may be required to make this decision. Reference should be made to Australian Standards AS/NZS 1715, Selection, Use and maintenance of Respiratory Protective Devices; and AS/NZS 1716, Respiratory Protective Devices.					
	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.					
	Where risk of skin contact, wear nitrile or other suitable gloves conforming to AS/NZS 2161: Occupational protective gloves.					
Hand Protection	When large quantities are handled the use of plastic aprons and rubber boots is recommended. Industrial clothing should conform to the specifications detailed in AS/NZS 2919: Industrial clothing. When handling small quantities, normal work clothing provides sufficient protection.					
Body Protection						

Section 9 - Physical and Chemical Properties

Form	Liquid
Appearance	Clear, water white liquid
Odour	Characteristic alcohol odour.

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Melting Point	N Av
Boiling Point	78°C
Solubility in Water	Completely Soluble
Specific Gravity	0.8
pH	Not available
Vapour Pressure	44 mmHg at 20°C (ethanol)
Relative Vapour Density (Air=1)	1.59 (Air=1) (ethanol)
Evaporation Rate	2.53 (n-Butyl acetate=1) (ethanol)
Volatile Component	100%
Flash Point	22°C
Flammability	Highly flammable
Auto-ignition Temperature	392°C (ethanol)
Flammable Limits - Lower	3.5% (ethanol)
Flammable Limits - Upper	19.0% (ethanol)

Section 10 - Stability and Reactivity

Chemical Stability	Stable under normal use conditons.
Conditions to Avoid	Heat, flames, ignition sources and incompatibles.
Incompatible Materials	Chlorates, perchlorates, chromates, dichromates, nitrates and other oxidizing agents.
Hazardous Decomposition Products	Thermal decomposition may result in the release of toxic and/or irritating fumes including carbon monoxide and carbon dioxide.
Hazardous Polymerization	Will not occur.

Section 11 - Toxicological Information

Toxicology Information	No adverse health effects are expected, if the product is handled in accordance with this Safety Data Sheet and the product label. Symptoms and effects that may arise if the product is mishandled and overexposure occurs are:
Acute Toxicity - Oral	LD50 (Oral, Rat): 7060 mg/kg
Acute Toxicity - Inhalation	LC50 (Inhalation, Rat): 38 mg/L/10h
Ingestion	Swallowing can cause drunkenness or harmful central nervous system effects. Effects of a small intake may include excitation, euphoria, headache, dizziness, drowsiness, blurred vision and fatigue. Severe acute intoxication may cause hypoglycaemia, hypothermia and extensor rigidity. Other effects may include decreased blood pressure, vomiting blood and blood changes. Aspiration into the lungs may cause pneumonitis.
Inhalation	Cause irritation to the respiratory tract and mucous membranes. Inhalation of the vapour may result in headache, nausea, incoordination, narcosis and vomiting. High concentrations may cause central nervous system symptoms similar to those given under ingestion below.
Skin	Can cause redness, itching and irritation.
Eye	Can be irritating to eyes. On eye contact this product can cause tearing, stinging, blurred vision, and redness.
Chronic Effects	Prolonged or repeated skin contact may cause defatting leading to dermatitis. Long term exposure by swallowing or repeated inhalation may cause degenerative

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changes in the liver, kidney, gastrointestinal tract and heart muscle.

Section 12 - Ecological Information

Ecotoxicity	Not severe
Persistence and Degradability	Readily Biodegradable.
Mobility	Readily dilutes with water
Environmental Fate	This substance may cause long term adverse effects in the environment
Environmental Protection	Do not allow product to enter drains, waterways or sewers.
Acute Toxicity - Fish	Golden ide LC0(48h): >1000 mg/L
Acute Toxicity - Daphnia	Daphnia magna EC50(24h): >1000mg/L

Section 13 - Disposal Considerations

Disposal Considerations	Refer to appropriate authority in your State. Dispose of material through a licensed waste contractor. Advise flammable nature. Normally suitable for disposal by approved waste disposal agent.
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Section 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: - 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.) - 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 Substances.
ADG UN Number	1170
ADG Proper Shipping Name	ETHANOL (ETHYL ALCOHOL)
ADG Transport Hazard Class	3
ADG Packing Group	II
Hazchem Code	•2YE
EPG Number	3A1
IERG Number	14

Section 15 - Regulatory Information

Poisons Schedule	Not Scheduled
Australia (AICS/AIIC)	All components listed.

Section 16 - Any Other Relevant Information

Date of Preparation	10/11/2024
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 Globally Harmonised System of classification and labelling of chemicals GHS7

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Signature of Preparer/Data Service	Technical manager Tel: (03) 9450 4555
Technical Contact Numbers	Emergency Advice All Hours: Chief Chemist Tel: (03) 9450 4555 Mon-Fri 8am - 6pm Poisons Information Centre: 13 11 26 - 24hrs
Other Information	This SDS summarises at the date of issue our best knowledge of the health and safety hazard information of the product, and in particular how to safely handle and use the product in the Workplace. Please refer to the technical datasheet (Instructions for use), and the label on the drum. The company cannot anticipate or control the individual working conditions encountered and so each user should read this SDS carefully, and if in doubt ring the Contact Point Number given below. ...End Of MSDS...

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