

SAFETY DATA SHEET

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name: Denatured Industrial Ethanol

Other Identifier: Ethanol 100 MIBK 0.25%; Ethyl alcohol; IMS-100

Recommended Use: Cleaning applications

Supplier: Big Bubble
ABN: 42 719 707 618

Street Address: 18 Elliott Street
Midvale
Western Australia

Telephone Number: +61 08 9274 1992

Poisons Information Centre: 131 126 Australia

2. HAZARDS IDENTIFICATION

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

Globally Harmonised System

Hazard Classification

Hazardous according to the criteria of the Globally Harmonised System of Classification and Labelling of Chemicals (GHS)

Hazard Categories Flammable liquids – Category 2
Serious eye damage / irritation – Category 2

Pictogram



Name of pictogram(s) Flame, Exclamation mark

Signal Word Danger

Hazard Statements H225 Highly flammable liquid and vapour.
H319 Causes serious eye irritation.

SAFETY DATA SHEET

Precautionary Statement

General	P101 If medical advice is needed, have product or container label at hand. P102 Keep out of reach from children. P103 Read label before use.
Prevention	P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking. P233 Keep container tightly closed. P240 Ground and bond container and receiving equipment. P241 Use explosion-proof electrical/ventilating/lighting and all other equipment. P242 Use non-sparking tools. P243 Take action to prevent static discharges. P280 Wear protective gloves/eye protection/face protection.
Response	P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water (or shower). 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. P370 + P378 In case of fire: Use carbon dioxide (CO ₂), dry chemical, alcohol resistant foam or water spray for extinction.
Storage	P403 + P235 Store in a well-ventilated place. Keep cool.
Disposal	P501 Dispose of contents/container in accordance with local regulations.
Poisons Schedule:	Schedule 5

3. COMPOSITION/INFORMATION ON INGREDIENTS

Components	CAS Number	Proportion
Ethanol	64-17-5	≤100%
Ingredients determined not to be hazardous		Balance %

4. FIRST AID MEASURES

For advice, contact a Poisons Information Centre (e.g. phone Australia 131 126; New Zealand 0800 764 766) or a doctor at once.

Ingestion:	IF SWALLOWED: Rinse mouth, then give a glass of water to drink. Do NOT induce vomiting. Get immediate medical advice/attention. If vomiting occurs, give further water. Never give anything by mouth to an unconscious person.
Eye Contact:	IF IN EYES: Immediately flush eyes with running water for several minutes, holding eyelids open and occasionally lifting the upper and lower lids. Remove contact lenses if present and easy to do. Continue rinsing for at least 15 minutes. If eye irritation persists, get medical advice/attention.

SAFETY DATA SHEET

Skin Contact:	IF ON SKIN (or hair): Remove and isolate contaminated clothing and shoes. Immediately flush skin and hair with running water for at least 15 minutes. In case of gross contamination, drench contaminated clothing and skin with plenty of water before removing clothes. If skin irritation occurs, get medical advice/attention. Wash contaminated clothing and shoes before reuse. In case of burns, immediately cool affected skin for as long as possible with cold water. Cover with a clean, dry dressing until medical help is available. If blistering occurs, do NOT break blisters. Do not remove clothing if adhering to skin. Treat for shock, if required.
Inhalation:	IF INHALED: Remove victim to fresh air and keep warm and at rest in a position comfortable for breathing. Remove contaminated clothing and loosen remaining clothing. If respiratory symptoms persist, get medical advice/attention. Give artificial respiration if victim is not breathing. Administer oxygen if breathing is difficult.
Medical attention and special treatment:	Treat symptomatically.

5. FIRE FIGHTING MEASURES

General	Evacuate area and contact emergency services. If safe to do so, move undamaged containers from fire area. Cool container with water spray until well after fire is out. Avoid getting water inside containers.
Flammability Conditions	HIGHLY FLAMMABLE LIQUID: Low flashpoint – Will be easily ignited by heat, sparks, or open flames at ambient temperatures.
Suitable Extinguishing Media:	Use dry chemical, Carbon dioxide (CO ₂), alcohol-resistant foam or water spray for extinction – Do not use water jets. Alcohol resistant foam is the preferred firefighting medium but, if it is not available, fine water spray can be used.
Fire and Explosion Hazards	Risk of violent reaction or explosion! Vapours will form explosive mixtures with air. Vapours will travel to source of ignition and flash back. Containers may explode when heated. Many liquids are lighter than water. Many vapours are heavier than air and will collect in low or confined areas. Vapours from runoff may create an explosion hazard. May irritate or burn skin and eyes. Vapours may cause dizziness or drowsiness.
Hazardous combustion products:	Fire may produce irritating and/or toxic gases including hydrocarbons and oxides of Carbon and Nitrogen.
Precautions for fire fighters and special protective equipment:	Contain runoff from fire control or dilution water – Runoff may pollute waterways. Wear positive pressure self-contained breathing apparatus (SCBA). Structural firefighters' protective clothing will only provide limited protection.
Auto Ignition temperature:	363°C
Decomposition Temperature:	No Data Available

SAFETY DATA SHEET

Flammability: No Data Available

Flash Point: 13 – 18°C

6. ACCIDENTAL RELEASE MEASURES

Personal precautions: Ensure adequate ventilation – Ventilate enclosed spaces before entering. ELIMINATE all ignition sources – All equipment used in handling the product must be earthed. Do not touch or walk through spilled material. Slippery when spilt. Avoid accidents, clean up immediately! Avoid breathing vapours and contact with eyes, skin, and clothing.

Protective equipment: Wear personal protective equipment as required (see SECTION 8).

Emergency procedures: Spill or leak area should be isolated immediately. Keep unauthorised personnel away. Keep upwind and to higher ground.

Environmental Precautions: Spillages and decontamination runoff should be prevented from entering drains and watercourses. If contamination of crops, sewers, or waterways has occurred, advise local emergency services.

Methods and materials for Containment and clean up: Stop leak if safe to do so – Prevent entry into waterways, drains, or confined areas. Dike far ahead of large spill for later disposal. A vapour-suppressing foam may be used to reduce vapours. Water spray may reduce vapour but may not prevent ignition in closed spaces. Collect recoverable product (e.g. by vacuum truck) to a salvage tank for recovery or disposal. Absorb with dry earth, sand, or other non-combustible material and transfer to containers for later disposal (see SECTION 13). Do not flush residues with water – Retain as contaminated waste. Allow any residues to evaporate or use an appropriate absorbent material and dispose of safely.

7. HANDLING AND STORAGE

This material must be stored, maintained and used in accordance with the relevant regulations.

Conditions for safe storage: Keep in the original container. Ensure containers are properly labelled. Store in a cool, dry, and well-ventilated place, out of direct sunlight. Keep containers closed when not in use – check regularly for leaks. Keep containers upright and protect from physical damage. Keep away from heat, hot surfaces, sparks, open flames, and other ignition sources – No smoking. Keep away from foodstuffs and incompatible materials (see SECTION 10).

Precautions for safe handling: Safety showers and eyewash facilities should be provided within the immediate work area for emergency use. Ensure adequate ventilation. Handle in accordance with good industrial hygiene and safety practice. Handle and open containers with care. Avoid breathing vapours and contact with eyes, skin, and clothing. Do not ingest. Wear protective gloves/eye protection/face protection (see SECTION 8). Highly flammable liquid & vapour: Keep away from heat,

SAFETY DATA SHEET

hot surfaces, sparks, open flames, and other ignition sources – No smoking. Ground/bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting equipment. Use only non-sparking tools. Take precautionary measures against static discharge.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure control measures:	Safe Work Australia Exposure Standard – Ethanol: TWA = 1,000 ppm (1,880 mg/m ³) Immediately dangerous to life or health (IDLH): 3,300 ppm
Biological Monitoring	No information available.
Engineering Controls	Use in well-ventilated areas. In poorly ventilated areas, mechanical explosion proof extraction ventilation is recommended.
Personal Protective Equipment	
Eye and Face	Wear appropriate eye protection to avoid eye contact. Recommended: Wear splash-proof goggles.
Skin	Wear protective gloves. Recommended: Nitrile or neoprene gloves. Wear appropriate personal protective clothing to avoid skin contact. Recommended: When using large quantities or where heavy contamination is likely, wear coveralls.
Respiratory	Wear respiratory protection in case of inadequate ventilation and where an inhalation risk exists. Recommended: Organic vapour (type A) respirator (refer to AS/NZS 1715 & 1716).

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state:	Liquid
Colour:	Clear, colourless
Odour:	Characteristic/alcoholic
pH:	7.0 at 10 g/L at 20°C
Solubility:	Miscible with water
Auto Ignition temperature:	363°C
Decomposition Temperature:	No Data Available
Evaporation Rate:	No Data Available
Flammability:	No Data Available
Flash Point:	13 – 18°C
Boiling Point:	78°C

SAFETY DATA SHEET

Melting/Freezing Point:	-114°C
Odour Threshold:	No Data Available
Partition coefficient: n-octanol/water	No Data Available
Relative Density:	0.79 – 0.81
Upper Flammability Limit	No Data Available
Lower Flammability Limit:	No Data Available
Explosive limits:	No Data Available
Vapour density:	No Data Available
Vapour pressure;	44 mgHg (at 20°C)
Viscosity:	No Data Available
Biopersistence:	No Data Available
Crystallinity:	No Data Available
Dustiness:	No Data Available
Particle size:	No Data Available
Redox potential:	No Data Available
Release of invisible flammable vapours and gases	No Data Available
Saturated Vapour Concentration	No Data Available

10. STABILITY AND REACTIVITY

Chemical stability:	Stable under normal conditions of use.
Conditions to avoid:	Keep away from heat and sources of ignition.
Incompatible materials:	Incompatible/reactive with oxidising agents, acids, and strong alkalis.
Hazardous decomposition products:	Fire/decomposition may produce irritating, toxic and/or corrosive gases, including hydrocarbons and oxides of Carbon and Nitrogen.
Hazardous reactions or Polymerisation	No information available.

SAFETY DATA SHEET

11. TOXICOLOGICAL INFORMATION

No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet and the product label. Symptoms or effects that may arise if the product is mishandled and overexposure occurs are:

Ingestion:	Ingestion may result in gastrointestinal irritation, nausea, vomiting, abdominal pain, diarrhoea, headache, dizziness, and drowsiness with large doses.
Eye contact:	Causes serious eye irritation. Exposure may result in lacrimation, irritation, pain, and redness.
Skin contact:	Causes skin irritation. Prolonged contact may result in drying and defatting of the skin, rash, and dermatitis.
Inhalation:	Harmful if inhaled.
Acute Toxicity:	LD50, rat (Oral): >2,000 mg/kg bw [NICNAS] LD50, rat (Dermal): >2,000 mg/kg bw [NICNAS] LC50, rat (Inhalation): 124.7 mg/L (4 h) [NICNAS]
Carcinogenicity:	Not expected to be carcinogenic.
Mutagenicity:	Not expected to be mutagenic.
Reproductive:	Not expected to impair fertility.

12. ECOLOGICAL INFORMATION

Ecotoxicity:	LC50, Pimephales promelas (fathead minnow): 15,300 mg/L (96 h) [US-EPA] LC50, Ceriodaphnia dubia (water flea): 5,012 mg/L (48 h) [ECHA] ErC50, Chlorella vulgaris (fresh wash algae): 275 mg/L (72 h) [OECD Test Guideline 201]
Persistence and degradability:	Biodegradability aerobic: Exposure time – 15 days Result: ca. 95% - Readily biodegradable [OECD Test Guideline 301E]
Bioaccumulative potential:	Due to the distribution coefficient n-octanol/water, accumulation in organisms is not expected.
Mobility:	No information available.

13. DISPOSAL CONSIDERATIONS

Disposal methods:	Dispose of in accordance with all local, state and federal regulations. All empty packaging should be disposed of in accordance with Local, State, and Federal Regulations or recycled/reconditioned at an approved facility. Or refilled at Big Bubble in Midvale.
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SAFETY DATA SHEET

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 number: 1170
Proper shipping name: ETHANOL (ETHYL ALCOHOL)
DG Class: 3
Packing group: II
Hazchem: •2YE

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 number: 1170
Proper shipping name: ETHANOL (ETHYL ALCOHOL)
DG Class: 3
Packing group: II
Hazchem: •2YE

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 number: 1170
Proper shipping name: ETHANOL (ETHYL ALCOHOL)
DG Class: 3
Packing group: II
Hazchem: •2YE

15. REGULATORY INFORMATION

Poisons Schedule: Schedule 5

For advice, contact a Poisons Information Centre (e.g. phone Australia 131 126; New Zealand 0800 764 766) or a doctor at once.

If swallowed, do NOT induce vomiting.

If in eyes, hold eyelids apart and flush the eye continuously with running water. Continue flushing until advised to stop by a Poisons Information Centre (e.g. phone Australia 131 126; New Zealand 0800 764 766) or a doctor, or for at least 15 minutes.

SAFETY DATA SHEET

16. OTHER INFORMATION

Revision date: 06/08/2026

Reason for issue: Update SDS

This material safety data sheet has been prepared by Midland Chemicals

This MSDS summarises to our best knowledge at the date of issue, the chemical health and safety hazards of the material and general guidance on how to safely handle the material in the workplace. No liability is accepted whether direct or indirect from its application since the conditions of final use are outside Midland Chemicals control. The end user is obliged to conform to relevant government regulations and/or patent laws applicable in their respective States of Countries.