

# Safety Data Sheet



Hazardous Substance, NON - Dangerous Goods

## 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

**Product name:** Methylated Spirits

**Recommended use:** General Solvent

**Supplier:** LIQUIMIX PTY LTD  
**ABN:** 32 062 887 585

**Street Address:** 1 / 29 Collinsvale Street  
Rocklea Qld 4106  
Australia

**Telephone:** + 61 7 3282 6649  
**Facsimile:** + 61 7 3009 0558

**Emergency telephone number: Australia: 1 800 786 152 (ALL HOURS) NZ: 0800 767 376**

## 2. HAZARDS IDENTIFICATION

Hazardous according to criteria of NOHSC/ASCC

Dangerous According to the Australian Code for the Transport of Dangerous Goods.

Classified as Dangerous Goods According to NZS 5433:1999

FLAMMABLE

**Risk Phrases**

- R11 Highly flammable
- R20/22 Harmful by inhalation and if swallowed
- R36/38 Irritating to eyes and skin
- R66 Repeated exposure may cause skin dryness and cracking

**Safety Phrases**

- S2 Keep out of reach of children
- S7 Keep container tightly closed
- S9 Keep container in a well-ventilated place
- S16 Keep away from sources of ignition – No smoking
- S23:MESPIR Do not breathe gas/fumes/vapour/spray
- S24/25 Avoid contact with skin and eyes
- S29 Do not empty into drains
- S33 Take precautionary measures against static discharges
- S36/37/39 Wear suitable protective clothing, gloves and eye/face protection
- S45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

ERMA New Zealand Approval Code HSR001144  
HSNO Hazard Classification 3.1B 6.4A 9.1D

## 3. COMPOSITION/ INFORMATION ON INGREDIENTS

**Product name:** Methylated Spirits  
**Issued Date:** 18<sup>th</sup> March 2016

**Version:** 1.1

**Page 1 of 6**

# Safety Data Sheet



Ingredients:	Chemical Entity	CAS Number	Proportions
	ETHANOL	(64-17-5)	<99.7(%)
	METHYLISOBUTYL KETONE	(108-10-1)	0.25

## 4. FIRST AID MEASURES

### In case of eye contact:

Immediately flush eyes with plenty of lukewarm, gently flowing water holding eyelids open. seek medical attention immediately.

### In case of skin contact:

Remove contaminated clothing. Immediately wash skin with plenty of water. If irritation persists, seek medical attention. Wash clothing before reuse. For burns: immerse affected area in cold water for 10-15minutes. Bandage lightly with sterile dressing. Transport to hospital if required.

### If inhaled:

Remove from exposure to fresh air. If not breathing, apply artificial respiration. If breathing is difficult give oxygen. Seek medical attention.

### Ingestion:

DO NOT induce vomiting. Rinse mouth with water. Give victim drink of water, if conscious. Seek medical attention.

### Advice to Doctor:

Treatment based on judgement of the physician in response to reactions of the patient.

NOTE: For advice in an emergency, contact a Poisons Information Centre (Australia 13 1126 or New Zealand 0800 764 766).

### Aggravated medical conditions caused by exposure:

Low to moderate toxicity – irritant. This product has the potential to cause adverse health effects with chronic over exposure. Chronic ingestion may cause cirrhosis of the liver. Over exposure may result in central nervous system depression.

## 5. FIRE / EXPLOSION HAZARDS

Product is a flammable liquid with explosive vapour

**Extinguishing Media:** In case of fire use water fog or foam. Use water fog to cool intact containers and nearby storage containers.

**Combustible Liquid:** Flammable liquid and vapour. May form flammable mixtures with air. Vapours are heavier than air and may travel to an ignition source and flash back. Incompatible with oxidizing agents (eg. hypochlorites, peroxides), acids (eg. sulphuric acid), strong alkalis (eg. hydroxides and sources of ignition).

**Products of Combustion:** During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion including carbon monoxide and carbon dioxide.

### Protective Precautions & Equipment for Fire Fighters:

# Safety Data Sheet



Positive-pressure self-contained breathing apparatus (SCBA) and protective fire fighting clothing (includes fire fighting helmet, coat, trousers, boots and gloves) should be worn. Clear fire area of all non-emergency personnel. Stay up wind. Keep out of low areas where gases or fumes can accumulate. Eliminate ignition sources.

**Flash Point:** Test Unknown 13-18°C  
**Hazchem Code:** 2(Y) E

## 6. ACCIDENTAL RELEASE MEASURES

### Emergency Procedures:

Evacuate all unnecessary personnel. Eliminate all sources of ignition. Increase ventilation. Avoid walking through spilled product as it may be slippery. Stop leak if safe to do so. Do NOT let product reach drains or waterways. If product does enter a waterway, advise the Environmental Protection Authority or your local Waste Management. Use clean, non-sparking tools and equipment.

### Methods and Materials for Containment and Clean Up

Soak up spilled product using absorbent non-combustible material such as sand or soil. Avoid using sawdust or cellulose. When saturated collect material, transfer to suitable, labelled, dry chemical-waste containers and dispose of promptly as hazardous waste.

## 7. HANDLING AND STORAGE

**Precautions:** Ensure an eye bath and safety shower are available and ready for use. Observe good personal hygiene practices and recommended procedures. Wash thoroughly after handling. Take precautionary measures against static discharges by bonding and grounding equipment. Avoid contact with eyes, skin and clothing. Do not inhale product vapours.

**Storage:** Store in a cool, dry, well-ventilated, fire-proof area. Keep containers tightly sealed when not in use. Inspect regularly for deficiencies such as damage or leaks. Store away from incompatible materials. Protect from direct sunlight and static charges. Store at ambient temperature.

UN Classification: 1170  
Dangerous Goods: Class 3 Flammable

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Engineering Controls:** A system of local and/or general exhaust is recommended to keep employee exposures as low as possible. Local exhaust ventilation is generally preferred because it can control the emissions of the contaminant at its source, preventing dispersion of it into the general work area. Use explosion proof ventilation equipment.

**Personal Protection:** RESPIRATOR: Wear an approved respirator with suitable filter for organic gases and vapours if engineering controls are inadequate (AS1715/1716)  
EYES: Chemical goggles to prevent splashing in the eyes (AS1336/1337)  
HANDS: Nitrile or neoprene gloves are recommended (AS2161)  
CLOTHING: Flame-retardant coveralls and anti-static footwear (AS3765/2210)

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Colour: Clear liquid

**Product name:** Methylated Spirits  
**Issued Date:** 18<sup>th</sup> March 2016

**Version:** 1.1

**Page 3 of 6**

# Safety Data Sheet



Odour:	No data available
Formula:	C <sub>2</sub> H <sub>6</sub> O
Vapour Pressure:	7.87kPa (25°C) mm Hg (1 atmosphere)
Vapour Density:	Not applicable
Boiling Point:	78°C
Melting Point:	Not applicable
Solubility:	Soluble in water
Specific Gravity:	0.80-0.82kg/L (20°C)(Water = 1)
Flash Point:	Test Unknown 13-18°C
pH:	Not applicable
Lower Explosion Limit:	3.3% (as percentage volume in air)
Upper Explosion Limit:	19.9% (as percentage volume in air)
Ignition Temperature:	No data available
Specific Heat Value:	Not applicable
Volatile Organic:	Not applicable
Evaporation Rate:	
VOC Content:	Not applicable
Viscosity:	Not applicable
Percent Volatile:	Not applicable
Saturated Vapour Concentration:	Not applicable
Additional Characteristics:	Not applicable
Additional Information:	Not applicable

## 10. STABILITY AND REACTIVITY

**Chemical Stability** Product is stable under directed conditions of use, storage and temperature. Flammable liquid with explosive vapour

**Conditions to Avoid** Avoid excessive heat, direct sunlight, moisture, static discharges and high temperatures.

**Incompatible Materials** Incompatible with oxidizing agents (eg. hypochlorites, peroxides), acids (eg. sulphuric acid), strong alkalis (eg. hydroxides and sources of ignition).

**Hazardous Decomposition Products** During a fire, product may emit carbon monoxide, carbon dioxide, irritating and toxic fumes and gases.

**Hazardous Reactions** No data available

## 11. TOXICOLOGICAL INFORMATION

**Toxicity Data:** ETHANOL: Inhale: LC50 Rat: 2000ppm/10hrs Ingestion: LD50 Mouse; 3450mg/Kg

Health Effects – Acute

**Skin:** Irritating to skin. Prolonged contact may result in drying and defatting of the skin, rash and dermatitis. Toxic effects may result from skin absorption.

**Eyes:** Irritating to eyes. Exposure may result in lacrimation, irritation, pain and redness.

**Ingestion:** Harmful if swallowed. Ingestion may result in gastro-intestinal irritation, headache, abdominal pain, diarrhoea, nausea, vomiting, dizziness and drowsiness with large doses. Liver damage may occur with high level of chronic ingestion. Over exposure may result in central nervous system depression.

# Safety Data Sheet



**Inhalation:** Harmful by inhalation. Inhalation may cause irritation to the respiratory system, nose and throat irritation, coughing and headaches. Over exposure may result in drowsiness, dizziness, and nausea. Over exposure may result in central nervous system depression.

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity:** No data available  
**Biodegradability:** This product will biodegrade, probably to acetic acid and formaldehyde. Ethanol will volatilise from water and biodegrade, and is not expected to bioconcentrate. It will photodegrade in air with a half-life ranging from hours (polluted air) to days (clean air).  
**Spill:** If spilled on solid, ethanol will either evaporate or leach into the ground due to the relatively high vapour pressure and low absorption in soil.  
**Environmental Fate:** Do NOT let product reach waterways, drains and sewers.

## 13. DISPOSAL CONSIDERATIONS

### REFER TO STATE LAND WASTE MANAGEMENT AUTHORITY.

Waste must be disposed of in accordance with federal, state and local environmental control regulations.

### Land Fill or Incineration

Contact a specialist disposal company or the local waste regulator for advice. This material may be suitable for approved landfill.

## 14. TRANSPORT INFORMATION

### Land Transport

UN Number: 1170  
Shipping Name: ETHANOL (ETHYL ALCOHOL)  
Dangerous Goods Class: 3 Flammable Liquid  
Subsidiary Risk: Not applicable  
Pack Group: II  
Hazchem Code: 2 (Y) E

### Sea Transport

UN Number: 1170  
Shipping Name: ETHANOL (ETHYL ALCOHOL)  
Dangerous Goods Class: 3 Flammable Liquid  
Subsidiary Risk: Not applicable  
Pack Group: II  
Hazchem Code: 2YE

## 15. REGULATORY INFORMATION

Classified as hazardous according to The Australian Safety and Compensation Council (ASSCC) and Annex I European Directive 67/548/EEC. EINECS No: 200-578-6 Ethanol

Poisons Schedule 5

**Product name: Methylated Spirits**  
**Issued Date: 18<sup>th</sup> March 2016**

**Version: 1.1**

**Page 5 of 6**

# Safety Data Sheet



EPG	14
AICS Name	ETHANOL
NZ Toxic Substance	4
HSNO Hazard Classification	3.1B 6.4A 9.1D
ERMA Approval Code	HSR001144

## 16. OTHER INFORMATION

**Literature References:** No data available

**Sources for Data** No data available