

## Methylated Spirits

### SECTION 1- IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name: Methylated Spirits  
Recommended Uses: Thinner or cleaning solvent  
Supplier: Omega International Coatings P/L  
Street Address: 111, Kurrajong Ave, Mount Druitt, NSW, 2770  
Telephone Number: (02) 9832 0000  
Fax: (02) 9677 0566  
Emergency phone: **Poison Information Center: 13 11 26**

### SECTION 2- HAZARDS IDENTIFICATION

#### **Health Hazard Classification**

This product is classified as hazardous under SafeWork Australia criteria.

#### **Hazard Category**

F: Flammable; Xn: Harmful; Xi: Irritant

#### **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**

S7/9: Keep container tightly closed and in a well-ventilated place.  
S16: Keep away from sources of ignition.  
S23: Do not breathe vapours or mist.  
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 whenever possible.)

### SECTION 3- COMPOSITION/ INFORMATION ON INGREDIENTS

Chemical Entity	CAS No.	Proportion (%w/w)
Ethanol	64-17-5	>99%
Ingredients determined to be non-hazardous or below the hazardous threshold		TO 100%

**SECTION 4- FIRST AID MEASURES****Ingestion**

If swallowed, do not induce vomiting: transport to nearest medical facility for additional treatment. If vomiting occurs spontaneously, keep head below hips to prevent aspiration.

**Eye contact**

Hold eyelids apart and flush the eye continuously with running water. Continue flushing until for at least 15 minutes. Promptly seek medical attention if irritation persists or any loss of vision occurs.

**Skin contact**

Remove contaminated clothing and flush skin and hair with running water. Launder contaminated clothing before reuse.

**Inhalation**

If inhaled, remove promptly to fresh air. If there are signs of drunkenness (intoxication or inebriation) or respiratory irritation, dizziness, nausea or headache occurs, seek immediate medical attention. Treat unconsciousness by placing the person in the coma position. Apply artificial respiration if not breathing.

**First aid facilities**

Provide eye baths and safety showers.

**Medical attention**

Treat symptomatically.

**SECTION 5- FIRE FIGHTING MEASURES****Suitable extinguishing equipment**

Use water fog (or if unavailable fine water spray), dry chemical, carbon dioxide or alcohol stable foam. Use water to cool exposed containers.

**Hazard produced**

Will emit toxic and/or irritating fumes including carbon monoxide and carbon dioxide.

**Special protective equipment and precautions for fire fighters**

Highly flammable liquid. Fire fighters should wear self-contained breathing apparatus (SCBA) and complete protective clothing.

**Hazchem Code:** 2[Y]E

**SECTION 6- ACCIDENTAL RELEASE MEASURES****Methods and materials for containment and clean up**

Clean up personnel should wear full protective clothing including respiratory protection if risk of inhalation of vapours. Eliminate all sources of ignition and take measures to prevent static discharge – no smoking. Contain the spill and absorb on inert absorbent material (e.g. soil, sand, vermiculite) for disposal by an approved method. Prevent run-off into drains and waterways. Clean area of all personnel not directly involved in the cleanup. Wash the cleaned up area with copious volumes of water to remove any trace amounts of product. Ventilate area well and ensure the atmosphere is safe before personnel return to work area.

**SECTION 7- HANDLING AND STORAGE****Precaution for safe handling**

Any non-intended or non-authorized use of this product may result in personal injury or damage to equipment.

Store product in original container.

Wash hands and face thoroughly after handling and before work breaks, eating, drinking, smoking and using toilet facilities.

**Conditions for safe storage**

Store in tightly closed containers in cool dry, isolated and well ventilated areas away from heat, sources of ignition and incompatibles. Keep containers closed at all times – check regularly for leaks. Store with all precautions required for handling flammable liquids. Empty containers retain residue and are dangerous, keep away from sources if ignition.

**SECTION 8- EXPOSURE CONTROLS/PERSONAL PROTECTION**

Chemical Entity	Cas No	Weight%	TWA <sup>1</sup> (ppm)	STEL <sup>2</sup> (ppm)
Ethanol	64-17-5	>99 %	1000	N/A

<sup>1</sup> Time weighted average concentration

<sup>2</sup> Short-term exposure limit

**Engineering controls**

Ensure adequate ventilation to keep airborne concentrations below exposure standards.

Containers must be earthed to avoid generation of static charges when agitating or transferring product.

**Personal protective equipment**

Eye/face protection – Safety glasses or chemical resistant goggles should be worn to prevent eye contact.

Skin protection – Use approved chemical resistant clothing to prevent skin contact.

Respiratory protection – Respirator is not usually necessary but if product is being used in a confined area or where vapour/mist is a problem, use a respirator with organic vapour filter.

**SECTION 9- PHYSICAL AND CHEMICAL PROPERTIES**

Property	Unit of measurement	Typical value
Appearance	-	Clear thin colourless liquid
Odour	-	Characteristic alcohol odour
Vapor pressure	kPa	0.058
Boiling Point	°C	78
Flash Point	°C	13
Density @ 25°C	g/ml	0.80
Flammability Limits	%(v/v)	N/A
Volatile content	%(w/w)	Approx. 100
Solubility in water	-	Soluble

**SECTION 10- STABILITY AND REACTIVITY****Chemical stability**

Stable at room temperature and pressure.

**Conditions to avoid**

Avoid exposure to sources of ignition, open flame and static electricity. Avoid using in confined space or generating mists or vapours.

**Incompatible materials**

Incompatible with oxidizing agents and organic peroxides.

**Hazardous decomposition products**

Not known.

**SECTION 11- TOXICOLOGICAL INFORMATION****Acute effects*****Ingestion***

Considered an unlikely route of entry in commercial / industrial environments. May cause harmful central nervous system effects. Effects may include excitation, euphoria, headache, dizziness, blurred vision, fatigue, tremors, and convulsions, loss of consciousness, coma, respiratory arrest and death. Aspiration into the lungs may cause pneumonitis.

***Eye Contact***

Irritating, causing redness and burning sensation.

***Skin Contact***

Irritating, causing redness and burning sensation.

***Inhalation***

Harmful by inhalation. The vapour is irritating to the upper respiratory tract. Cause nausea, dizziness and narcosis. Extreme exposure will result in central nervous system symptoms similar to 'swallowed' above.

**Chronic effects**

Prolonged and repeated contact with the skin may irritate, and cause dermatitis. Prolonged overexposure to the solvents (inhalation and skin contact) may cause effects to the central nervous system, liver, urinary, blood forming, cardiovascular and reproductive systems.

**Toxicology information**

No LD data available for this product.

**SECTION 12- ECOLOGICAL INFORMATION**

Not expected to be ecotoxic.

Biodegradability data not yet available.

**SECTION 13- DISPOSAL CONSIDERATIONS**

Refer to Waste Management Authority. Dispose of material through a licensed waste contractor. Advise flammable nature. Product is normally suitable for incineration by an approved agent.

**SECTION 14- TRANSPORT INFORMATION**

For local transportation within New Zealand refer NZS 5433:1999: For Australia refers ADG code.

<b>UN No.</b>	1263
<b>Proper Shipping Name</b>	Paint Related Material
<b>DG Class</b>	2
<b>Subsidiary Risk</b>	Not Applicable
<b>Packing Group</b>	II
<b>Hazchem Code</b>	2[Y] E

**SECTION 15-REGULATORY INFORMATION**

**HMIS Code:** 230H

**SECTION 16- OTHER INFORMATION**

**Contact** Apco Coatings  
**Person/Point** Technical Manager  
Ph 02 98 32 0000 Mob 0422237710

**Other Information** Principal toxic properties of this product are due to the solvent composition and vapour inhalation hazards.  
Abbreviations: N/A - Not Applicable N/AV - Not Available

**Abbreviations:**

ADG: Australian Code for the Transport of Dangerous Goods by Road and Rail

CAS Number: Chemical Abstracts Number