



1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name: METHYLATED SPIRITS

Product Use: General industrial and/or cleaning solvent.

Miro's General Cleaning Services P/L trading as ATOMIC CHEMICALS

A.C.N 005 300 201 / A.B.N 77 005 300 201

Factory 1 / 65 Bond Street West

Mordialloc Vic 3195

Telephone: 03 9580 2766

Fax: 03 9580 4922

Email: atomicchemicals@outlook.com

Web: www.atomicchemicals.com.au

Emergency Telephone Number: 13 11 26

2. HAZARDS IDENTIFICATION

GHS Classification: Skin Corrosion/Irritation, Category 2
Serious Eye Damage/Irritation, Category 2A
Acute Toxicity – Oral, Category 4
Flammable Liquid, Category 1

Pictograms:



Signal Word: DANGER

Hazard Statements:

H315 - Causes skin irritation

H319 - Causes serious eye

H224: Extremely flammable liquid and vapour

H302: Harmful if swallowed

Precautionary Statements:

Prevention

P264: Wash hands thoroughly after handling.

P270: Do not eat, drink, or smoke when using this product.

P280: Wear protective gloves/protective clothing/eye protection/face protection.

P210: Keep away from heat/sparks/open flames/hot surfaces.

P233: Keep container tightly closed.

Response

P303+P361+P353: IF ON SKIN(or hair):Remove/Take off immediately all contaminated clothing. Rinse skin with water/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.

P332+P313: If skin irritation occurs: Get medical advice/attention.

P362: Take off contaminated clothing and wash before reuse.

P301+P312: IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.

P330: Rinse mouth.

Storage

P403+P233+P235: Store in a well-ventilated place. Keep container tightly closed. Keep cool.

Disposal

P501: Dispose of container in accordance with local/regional/national/international regulations.



3.COMPOSITION / INFORMATION ON INGREDIENTS

Ingredients

<u>Chemical Name:</u>	<u>CAS Number:</u>	<u>Proportion %:</u>
Ethyl Alcohol (Ethanol)	64-17-5	95.8 –99.8
Water	7732-18-5	0.2 – 4.2
Denaturant		<1

4. FIRST AID MEASURES

Poisons Information Centre: Phone 13 11 26

First Aid

Swallowed: Contact a doctor or Poisons Information Centre. Do not induce vomiting. Rinse mouth with water and give glass of water. Never give anything by mouth to an unconscious person.

Eye: Immediately hold the eyes open and rinse continuously with plenty of water for at least 15 minutes and contact a doctor or Poisons Information Centre.

Skin: Remove any contaminated clothing and immediately wash contaminated skin with plenty of water. If irritation occurs, seek medical attention.

Inhaled: Remove affected person to fresh air. Seek medical attention if effects persist.

First Aid Facilities: Eye wash station.

Advice to Doctor: Treat symptomatically.

5. FIRE FIGHTING MEASURES

Explosion Hazard: Methylated Spirits is highly flammable.

Fire Fighting Procedures: Normal firefighting procedures may be used. Fully-encapsulating, gas-tight suits should be worn for maximum protection.

Extinguishing Media: Use alcohol-resistant foam or if unavailable, water fog or fine mist.

6. ACCIDENTAL RELEASE MEASURES

Spill Control: Contain large spills and mop up. Avoid contact to eyes. Eliminate all sources of ignition. Use absorbent (soil or sand, sawdust) material to collect. Slippery when spilt. Place in a suitable, labelled container for waste disposal. Do not let spilled or leaking material enter drains and waterways.

7. HANDLING AND STORAGE

Handling and Storage: Observe State Regulations concerning the storage and handling of Dangerous Goods. Store in tightly closed containers in cool, dry, isolated well ventilated areas away from heat, sources of ignition and incompatibles. Store with all precautions required for handling flammable liquids.

Flammability: All electrical equipment used in proximity to storage of this product should be in accordance with local wiring regulations and Australian Standards. Do not weld, heat, or cut pressurize containers.

8. EXPOSURE CONTROL / PERSONAL PROTECTION



Exposure limits: Ethyl Alcohol (Ethanol) 1000ppm TWA, 1880 mg/m³
Engineering Controls: No special ventilation required.
Personal Protection: Eye: Safety glasses are recommended.
Skin: Avoid contact, PVC or Neoprene gloves are recommended.
Respiratory: None should be needed under normal circumstances. If concentration is to exceed 500ppm of ethanol wear an approved respirator.
Do not eat, drink or smoke in areas of use and storage.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical Description/Properties

Appearance: Clear colourless liquid with alcohol odour
Odour threshold: 5ppm
Boiling Point: 78°C
Solubility in Water: Complete
Melting Point: -117°C
Vapour Pressure: 44mmHg @ 20°C
Vapour Density (Air = 1): 1.59
Specific Gravity: 0.79 – 0.97
Evaporation Rate (n-butyl acetate = 100): 253
Percent Volatile by Volume: 100%
Flashpoint: 13°C (Abel closed cup)
Flammability Limits in Air
Auto ignition temperature: 392°C % by volume (20°C) upper: 19%
% by volume (20°C) lower: 3.5%

10. STABILITY AND REACTIVITY

Stability: Stable
Reactivity: The vapour is heavier than air and may travel along the ground, distant ignition and flashback are possible.

11. TOXICOLOGICAL INFORMATION

Health Effects - Acute

Swallowed: Unlikely under normal occupational exposures, but swallowing ethanol may cause harmful central nervous system effects. Effects may include excitation, euphoria, headache, dizziness, drowsiness, blurred vision, fatigue
Eye: May cause eye Irritation. Prolonged contact causes slight irritation.
Skin: Prolonged or repeated contact may cause mild irritation to sensitive skin. If irritation occurs discontinue use.
Inhaled: May cause: Irritation to mucous membranes.
Note: The denaturants may be one or more of the following: diethyl phthalate, tertiary butyl alcohol, brucine sulphate, denatonium benzoate, methyl isobutyl ketone or fluorescein. The denaturants never exceed 1.0% of the final product and at this low concentration will not alter the safety of the product.

Health Effects: Chronic: Chronic intoxication by swallowing or repeated inhalation may cause degenerative changes to the liver, kidneys, hair, gastrointestinal tract and heart muscles.

12. ECOLOGICAL INFORMATION

Volatile Organic Compounds: Not Determined.



Avoid contaminating waterways.

13. DISPOSAL CONSIDERATIONS

Disposal Method: Observe all applicable governmental regulations and Local ordinances regarding disposal of hazardous materials.

14. TRANSPORT INFORMATION

UN Number: 1170
Hazchem Code: 2[Y]E
Transport of Dangerous Goods: Class 3
Dangerous Goods Class and Subsidiary Risk: PGII

15. REGULATORY INFORMATION

Poison Schedule: S5

AICS: All chemicals listed on the Australian Inventory of Chemicals Substances (AICS)

16. OTHER INFORMATION

Abbreviations and Definitions of terms used:

<	less than
>	greater than
%	percentage
deg C	Degrees Celsius
g	gram
kg	kilogram
mg	milligram
miscible	A liquid that mixes homogeneously with another liquid

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