

Product Name **METHO****1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER**

**Supplier Name** CLEAN PLUS CHEMICALS PTY LTD  
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**Synonym(s)** METHYLATED SPIRIT • PRODUCT CODE – 435

**Use(s)** GENERAL PURPOSE CLEANER, SOLVENT.

**SDS Date** 24 February 2010 v1  
4 July 2012 v2

**2. HAZARDS IDENTIFICATION**

CLASSIFIED AS HAZARDOUS ACCORDING TO NOHSC/ASCC CRITERIA

## RISK PHRASES

R11 Highly flammable

## SAFETY PHRASES

S7 Keep container tightly closed

S16 Keep away from sources of ignition- no smoking

CLASSIFIED AS A DANGEROUS GOODS BY THE CRITERIA OF THE ADG CODE

**UN No.** 1170                      **DG Class** 3                      **Subsidiary Risk(s)** None Allocated  
**Packing Group** II                      **Hazchem Code** 2Y                      **EPG** 3A1

**3. COMPOSITION/ INFORMATION ON INGREDIENTS**

Ingredient	Formula	CAS No.	Content
ETHANOL	Not Available	64-17-5	>95%
NON HAZARDOUS INGREDIENTS	Not Available	Not Available	Remainder

**4. FIRST AID MEASURES**

**Eye** If in eyes, hold eyelids apart and flush the eye continuously with running water. Continue flushing until advised to stop by the Poison Information Centre or a doctor, or for at least 15 minutes.

**Skin** If skin contact occurs, remove contaminated clothing and flush with running water.

**Inhalation** If inhaled, remove from contaminated area. Apply artificial respiration if not breathing.

**Ingestion** For advice, contact a Poison Information Centre on 13 11 26 (Australia Wide) or a doctor (at once). If swallowed, do not induce vomiting.

**Advice to Doctor** Treat symptomatically

## 5. FIRE FIGHTING MEASURES

**Flammability** Flammable. May evolve toxic gases (hydrocarbons, carbon oxides) when heated to decomposition. Eliminate all ignition sources, including cigarettes, open flames, electrical equipment etc when handling.

**Fire and Explosion** This product is flammable due to the alcohol content. Evacuate area and contact emergency services. Toxic gases (Hydrocarbons, carbon oxides) may be evolved. Wear full protective equipment including Self Contained Breathing Apparatus (SCBA) when combating fire. Use waterfog to cool intact containers and nearby storage areas.

**Extinguishing** Dry agent, carbon dioxide or foam. Prevent contamination of drains or waterways.

**Hazchem Code** 2Y

## 6. ACCIDENTAL RELEASE MEASURES

**Spillage** Remove all sources of flame, sparks and heat. Absorb spilled material with a non-flammable absorbent such as vermiculite. Wear splash-proof goggles, PVC/rubber gloves coveralls and boots. Ventilate and clear area of all unprotected personnel.

## 7. STORAGE AND HANDLING

**Storage** Store out of direct sunlight and out of the reach of children, in a cool dry, well ventilated area, removed from oxidising agents (e.g. hypochlorites), acids (sulfuric acid), heat sources and foodstuffs. Ensure containers are adequately labeled, protected from physical damage and sealed when not in use. Large storage areas should have appropriate ventilation systems.

**Handling** Before use carefully read the product label. Use of safe work practices are recommended to avoid eye or skin contact and inhalation. Observe good personnel Hygiene, including washing hands before eating, drinking and smoking in contaminated areas.

## 8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

### Exposure Stds

Ingredient	Reference	TWA		STEL	
Ethanol	ASSCC(AUS)	1000 ppm	1880 mg/m <sup>3</sup>	-	-

**Biological Limits** No biological limit allocated.

**Engineering Controls** Ensure adequate natural ventilation. Flammable/ explosive vapours may accumulate in poorly ventilated confined areas.

**PPE** Personnel Protective Equipment is required under normal conditions of use. wear safety glasses or splash proof goggles and PVC/rubber gloves.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance</b>	CLEAR LIQUID	<b>Solubility (Water)</b>	SOLUBLE
<b>Odour</b>	CHARACTERITIC ODOUR	<b>Specific Gravity</b>	0.790

<b>Ph</b>	NOT APPLICABLE	<b>Volatiles</b>	NOT AVAILABLE
<b>Vapour Pressure</b>	58.1 mmHg (1atm)	<b>Flammability</b>	FLAMMABLE
<b>Vapour Density</b>	NOT AVAILABLE	<b>Flash Point</b>	13°C (CLOSED CUP)
<b>Boiling Point</b>	78.3 °C	<b>Upper Flammability Limit</b>	19.1
<b>Melting Point</b>	NOT AVAILABLE	<b>Lower Flammability Limit</b>	3.5
<b>Evaporation Rate</b>	NOT AVAILABLE		

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## 10. STABILITY AND REACTIVITY

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**Chemical Stability** Incompatible with oxidizing agent (e.g. hypochlorites, peroxides), acids (e.g. nitric acid), heat and ignition sources. Also incompatible with combustible materials and dangerous goods.

**Decomposition** May evolve toxic gases if heated to decomposition.

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## 11. TOXICOLOGICAL INFORMATION

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**Health Hazard** High toxicity. This product has the potential to cause adverse health effects with over exposure. Use safe work practices to avoid eye or skin contact and vapour inhalation. Chronic overexposure may cause liver/kidney damage.

**Eye** Moderate irritant. Liquid and mists contact may lead to damage to eyes.

**Inhalation** Moderate irritant. Over exposure may result in mucous membrane irritation of the nose and throat with coughing

**Skin** Mild irritant. Prolonged contact may lead to dermatitis.

**Ingestion** High toxicity. Ingestion of large quantities may result in nausea, vomiting, headache, dizziness, gastric disorders and symptoms of central nervous system depression.

**Toxicity Data** ETHANOL (64-17-5)  
LC50 (Inhalation): 20000 ppm/10hours (rat)  
LCLo (Inhalation): 21900 (guinea pig)  
LD50 (Ingestion): 3450 mg/kg (mouse)  
LD50 (Intraperitoneal):3600 ug/kg (rat)  
LD50 (Intravenous): 1440 mg/kg (rat)  
LD50 (Subcutaneous): 8285 mg/kg (mouse)  
LDLo (Ingestion): 1400 mg/kg (human)  
LDLo (Intraperitoneal): 3000 mg.kg (dog)  
LDLo (Intravenous): 1600 mg/kg (dog)  
LDLo (Skin): 20 g/kg (rabbit)  
LDLo (Subcutaneous): 19440 (infant)  
TCLo (Inhalation): 20000 ppm/7 hours (1-22 days pregnant rat – reproductive)  
TDLo (Ingestion): 50 mg/kg (Human)

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## 12. ECOLOGICAL INFORMATION

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**Environment** Hydrocarbon propellants will quickly evaporate from soil or water and enter the atmosphere. In the atmosphere propellants are expected to exist in the vapour phase and will react with hydroxyl radicals. Estimated half lives vary from 6 days (butane) to 13 days (propane). Hydrocarbon propellants are not ozone depleting.

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## 13. DISPOSAL CONSIDERATIONS

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**Waste Disposal** For small amounts absorb with sand, vermiculite or similar and dispose of to an approved landfill site. If bulk quantities are required to be disposed of, contact the manufacturer for additional information.

**Legislation** Dispose of in accordance with relevant local legislation.

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## 14. TRANSPORT INFORMATION

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### CLASSIFIED AS A DANGEROUS GOODS BY THE CRITERIA OF THE ADG CODE

<b>Shipping Name</b>	ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION)			<b>Subsidiary Risk(s)</b>	None Allocated
<b>UN No.</b>	1170	<b>DG Class</b>	3	<b>EPG</b>	None Allocated
<b>Packing Group</b>	II	<b>Hazchem Code</b>	2Y		

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## 15. REGULATORY INFORMATION

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**Poison Schedule** A poison schedule number has not been allocated to this product using the criteria in the Standard for the Uniform Scheduling of Drugs and Poisons (SUSDP).

**AICS** All chemicals listed on the Australian Inventory of Chemical Substances (AICS).

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## 16. OTHER INFORMATION

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### Additional Information

#### ABBREVIATIONS:

ADB - Air-Dry Basis.  
BEI - Biological Exposure Indices(s)  
CAS# - Chemical Abstract Service number - used to uniquely identify chemical compounds.  
CNS - Central Nervous System.  
EINECS - European Inventory of Existing Commercial chemical Substances.  
IARC - International Agency for Research on Cancer.  
M - moles per litre, a unit of concentration.  
mg/m<sup>3</sup> - Milligrams per cubic meter.  
NOS - Not Otherwise Specified.  
NTP - National Toxicology Program.  
OSHA - Occupational Safety and Health Administration.  
pH - relates to hydrogen ion concentration using a scale of 0 (high acidic) to 14 (highly alkaline).  
ppm - Parts Per Million.  
RTECS - Registry of Toxic Effects of Chemical Substances.  
TWA/ES - Time Weighted Average or Exposure Standard.

#### HEALTH EFFECTS FROM EXPOSURE:

It should be noted that the effects from exposure to this product will depend on several factors including: frequency and duration of use; quantity used; effectiveness of control measures; protective equipment used and method of application. Given that it is impractical to prepare a Clean Plus Chemicals report which would encompass all possible scenarios, it is anticipated that users will assess the risks and apply control methods where appropriate.

#### PERSONAL PROTECTIVE EQUIPMENT GUIDELINES:

The recommendation for protective equipment contained within this Clean Plus Chemicals report is provided as a guide only. Factors such as method of application, working environment, quantity used, product concentration and the availability of engineering controls should be considered before final selection of personal protective equipment is made.

#### Report Status

This Safety Data Sheet document has been compiled by Clean Plus Chemicals. Further clarification regarding any aspect of this product should contact Clean Plus Chemicals. While Clean Plus Chemicals has taken all due care to include accurate and up-to-date

information in this SDS, it does not provide any warranty as to accuracy or completeness. As far as lawfully possible, Clean Plus Chemicals accepts no liability for any loss, injury or damage (including consequential loss) which may be suffered or incurred by any person as a consequence of their reliance on the information contained in this SDS.

**End of Report**

**Prepared By**

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