



**CBC Cleaning Products Pty Ltd.**  
Serving the Hospitality Industry since 1987.

# MATERIAL SAFETY DATA SHEET

## METHYLATED SPIRITS

### 1. IDENTIFICATION OF SUPPLIER & MATERIAL

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PRODUCT NAME: **Methylated Spirits**  
OTHER NAME: N/A  
PRODUCT CODE: MS  
MSDS ISSUED: March 2016

USE: For use of general cleaning. Or used as a solvent.

### 2. HAZARDS IDENTIFICATION

**Classified as Hazardous according to 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 Good by the Criteria of the ADG Code**

UN NUMBER: 1170  
DANGEROUS GOODS CLASS: 3  
SUBSIDIARY RISK: N/A  
PACKING GROUP: II  
HAZCHEM CODE: 2Y  
EPG: 3A1

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

INGREDIENT	CAS NUMBER	PROPORTION
Ethanol Solution	64-17-5	> 95%

#### 4. FIRST AID MEASURES

##### EYE:

Keep eyes open and flush them with water for at least 15 minutes and seek medical advice immediately.

##### SKIN:

Remove contaminated clothing, wash thoroughly with plenty of water and seek medical advice.

##### INHALED:

Move to a well ventilated area. Apply artificial respiration if not breathing.

##### INGESTION:

Do Not induce vomiting, give a glass of water and contact Poison Information Centre. Ph: 131126.

##### ADVICE TO DOCTOR:

Treat symptomatically.

##### FIRST AID FACILITIES:

Eye wash facilities and safety shower should be available.

#### 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 & HANDLING

##### STORAGE:

Store in cool, dry, well ventilated area, removed from direct sunlight, oxidising agents, acids, reducing agents, organic materials, amines, ammonia, metals, heat sources and foodstuffs. Ensure containers are adequately labelled, protected from physical damage, sealed when not in use, vented & stored upright. Check regularly for spills. 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 personal hygiene, including washing hands before eating. Prohibit eating, drinking and smoking in contaminated areas.

#### 8. EXPOSURE CONTROL / PERSONAL PROTECTION

##### EXPOSURE STANDARDS:

Ethanol : TWA: 1880 mg/m<sup>3</sup> 1000ppm REF: ASCC (AUS)

##### BIOLOGICAL LIMITS:

No biological limit allocated.

##### ENGINEERING CONTROLS:

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

## 8. EXPOSURE CONTROL / PERSONAL PROTECTION cont.

### PPE:

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

## 9. PHYSICAL DESCRIPTION / PROPERTIES

APPEARANCE:	Clear Liquid
ODOUR:	Strong Alcoholic Odour
PH:	N/A
VAPOUR PRESSURE:	58.1 mmHg (1atm)
VAPOUR DENSITY:	N/A
BOILING POINT:	78.3 °C
MELTING POINT:	N/A
EVAPORATION RATE:	N/A
SOLUBILITY IN WATER:	Soluble
SPECIFIC GRAVITY:	0.7
VOLATILES:	N/A
FLAMMABILITY LIMITS:	Flammable
FLASH POINT:	13°C (CLOSED CUP)
UPPER FLAMMABLILTY LIMIT:	19.1
LOWER FLAMMABLILTY LIMIT:	3.5

## 10. STABILITY & REACTIVITY

### 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.

### CONDITIONS TO AVOID:

Avoid heat, sparks, open flames and other ignition sources.

### MATERIAL TO AVOID:

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.

### HAZARDOUS REACTIONS:

Polymerization will not occur.

## 11. TOXICOLOGICAL INFORMATION

### 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)

## 11. TOXICOLOGICAL INFORMATION cont.

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)

## 12. ECOLOGICAL INFORMATION:

### 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.

## 13. DISPOSAL CONSIDERATIONS:

### 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.

## 14. TRANSPORT INFORMATION:

### Classified as a Dangerous Good by the Criteria of the ADG Code

SHIPPING NAME:	Ethanol Solution
UN NUMBER:	1170
DANGEROUS GOODS CLASS:	3
SUBSIDIARY RISK:	N/A
PACKING GROUP:	II
HAZCHEM CODE:	2Y
EPG:	3A1



## 15. REGULATORY INFORMATION

### 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).

## 16. OTHER INFORMATION

### ADDITIONAL INFORMATION:

**Respirators:** In general the use of respirators should be limited and engineering controls employed to avoid exposure. If respiratory equipment must be worn ensure correct respirator selection and training is undertaken. Remember that some respirators may be extremely uncomfortable when used for long periods. The use of air powered or air supplied respirators should be considered where prolonged or repeated use is necessary.

**Exposure Standards:** - Time Weighted Averages: Exposure standards are established on the premise of an 8 hour work period of normal intensity, under normal climatic conditions and where a 16 hour break between shifts exists to enable the body to eliminate absorbed contaminants. In the following circumstances, exposure standards must be reduced: strenuous work conditions; hot, humid climates; high altitude conditions; extended shifts (which increase the exposure period and shorten the period of recuperation).

### Abbreviations:

ADB - Air-Dry Basis.

BEI - Biological Exposure Indice(s)

CAS# - Chemical Abstract Service number - used to uniquely identify chemical compounds.

CNS - Central Nervous System.

**16. OTHER INFORMATION cont.**

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 metre.

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).

PPE: Personal Protective Equipment

ppm - Parts Per Million.

RTECS - Registry of Toxic Effects of Chemical Substances.

TWA/ES - Time Weighted Average or Exposure Standard.

W.W. - Weight by Weight.

**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 CBC Cleaning Products 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 CBC Cleaning Products 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 Material Safety Data Sheet document has been compiled by CBC Cleaning Products Pty Ltd.

Further clarification regarding any aspect of this product should contact CBC Cleaning Products.

While CBC Cleaning Products has taken all due care to include accurate and up-to-date information in this MSDS, it does not provide any warranty as to accuracy or completeness. As far as lawfully possible, CBC Cleaning Products 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 MSDS.