



# COMPLETE CARWASH SUPPLIES

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## SECTION 1 - IDENTIFICATION OF THE MATERIAL AND SUPPLIER

**Chemical nature:** Solvent Cleaner  
**Trade Name:** **Methylated Spirits**  
**Product Use:** Industrial cleaning.  
**Creation Date:** **September, 2008**  
**This version issued:** **November, 2021** and is valid for 5 years from this date.  
**Poisons Information Centre: Phone 13 1126 from anywhere in Australia**

## SECTION 2 - HAZARDS IDENTIFICATION

### Statement of Hazardous Nature

This product is classified as: Xn, Harmful. F+, Highly Flammable. Hazardous according to the criteria of ASCC. Dangerous according to Australian Dangerous Goods (ADG) Code, IATA and IMDG/IMSBC criteria.

**Risk Phrases:** R65. May cause lung damage if swallowed.

**Safety Phrases:** S2 Keep out of the reach of children, R23 Do not breathe vapour, S24 Avoid contact with skin, S62 If swallowed, do not induce vomiting: seek medical advice immediately and show this SDS.

**SUSDP Classification:** S5

**ADG Classification:** Class 3

**UN Number:** 1170

**Hazard Categories** Flammable Liquids – Category 2  
Serious Eye Damage/Irritation – Category 2A



### GHS Signal word: DANGER

#### HAZARD STATEMENT:

H225: Flammable liquid and vapour.  
H319: Causes eye irritation

#### PREVENTION

P210: Keep away from heat, sparks, open flames and hot surfaces. - No smoking.  
P233: Keep container tightly closed.  
P240: Ground/bond container and receiving equipment.  
P241: Use explosion-proof electrical ventilating, lighting and other equipment.  
P242: Use only non-sparking tools.  
P243: Take precautionary measures against static discharge.  
P264: Wash contacted areas thoroughly after handling.  
P280: Wear protective gloves, eye protection, face protection

#### RESPONSE

P303+P361+P353: IF ON SKIN (or hair): Remove immediately all contaminated clothing. Rinse skin with water.  
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 occurs: Get medical advice.  
P370+P378: In case of fire, use carbon dioxide, dry chemical, foam. Normal foam, i.e. protein based foam that is not alcohol resistant, is the preferred medium for large fires.

#### STORAGE

P403+P235: Store in a well-ventilated place. Keep cool.

#### DISPOSAL

P501: If they can not be recycled, dispose of contents to an approved waste disposal plant and containers to landfill (see Section 13 of this SDS).

## SAFETY DATA SHEET

Issued by: Complete Carwash Supplies

Phone: 1300 722 435

Poisons Information Centre: 13 1126 from anywhere in Australia, (0800 764 766 in New Zealand)

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## Emergency Overview

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**Physical Description & colour:** Clear liquid

**Odour:** Characteristic odour.

**Major Health Hazards:** Eye irritant.

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## Potential Health Effects

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### Inhalation:

**Short term exposure:** Vapours may cause irritation to the mucous membrane and respiration tract.

**Long Term exposure:** Inhalation may cause headache, nausea and dizziness.

### Skin Contact:

**Short term exposure:** Contact with the product may cause defatting and contribute to dermatitis.

**Long Term exposure:** No data for health effects associated with long term skin exposure.

### Eye Contact:

**Short term exposure:** Vapour is irritating.

**Long Term exposure:** Liquid may cause moderate to severe eye irritation, but will not damage the eye.

### Ingestion:

**Short term exposure:** DO NOT induce vomiting. Keep at rest. Give glass of water, seek medical attention.

**Long Term exposure:** Significant absorption may result in central nervous system depression.

### Carcinogen Status:

**ASCC:** No significant ingredient is classified as carcinogenic by ASCC.

**NTP:** No significant ingredient is classified as carcinogenic by NTP.

**IARC:** No significant ingredient is classified as carcinogenic by IARC.

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## SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS

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| Ingredients                   | CAS No    | Conc, %   |
|-------------------------------|-----------|-----------|
| Ethanol                       | 64-17-5   | <99.7%    |
| Methyl Isobutyl Ketone (MIBK) | 108-10-1  | < 0.25%   |
| Water                         | 7732-18-5 | Balance % |

This is a commercial product whose exact ratio of components may vary slightly. Minor quantities of other non hazardous ingredients are also possible.

The SWA TWA exposure value is the average airborne concentration of a particular substance when calculated over a normal 8 hour working day for a 5 day working week. The STEL (Short Term Exposure Limit) is an exposure value that may be equalled (but should not be exceeded) for no longer than 15 minutes and should not be repeated more than 4 times per day. There should be at least 60 minutes between successive exposures at the STEL. The term "peak" is used when the TWA limit, because of the rapid action of the substance, should never be exceeded, even briefly.

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## SECTION 4 - FIRST AID MEASURES

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### General Information:

You should call The Poisons Information Centre if you feel that you may have been poisoned, burned or irritated by this product. The number is 13 1126 from anywhere in Australia (0800 764 766 in New Zealand) and is available at all times. Have this SDS with you when you call.

**Inhalation:** Remove victim from exposure to fresh air. Allow patient to assume most comfortable position and keep warm and at rest. If patient finds breathing difficult, and develops a bluish discoloration of the skin, ensure airways are clear, and have qualified person give oxygen through a face mask. Seek immediate medical advice. **BURNS:** Immerse affected area in cold water for 10-15 minutes. Bandage lightly with sterile dressing. Treat for shock if required. Transport to hospital if required

**Skin Contact:** Immediately remove all contaminated clothing, including footwear after wetting with water if available. Wash affected areas thoroughly with water. If irritation occurs, seek medical advice.

**Eye Contact:** Immediately flush eyes with plenty of water for at least 15 minutes while holding eyelids open. Take care not to rinse contaminated water into non-affected eyes. Seek immediate medical attention.

**Ingestion:** If swallowed, do NOT induce vomiting. Wash mouth with water and contact a Poisons Information Centre, or call a doctor.

**Advice to Doctor:** Treat symptomatically base on individual reactions of the patient and judgement of Doctor

**Medical Conditions Aggravated by Exposure:** No information available on medical conditions aggravated by exposure to the product.

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## SAFETY DATA SHEET

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## SECTION 5 - FIRE FIGHTING MEASURES

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**Fire and Explosion Hazards:** This product is classified as flammable. There is a moderate risk of an explosion from this product if commercial quantities are involved in a fire. Firefighters should take care and appropriate precautions. Any explosion will likely spread the fire to surrounding materials. Water spray may be used to cool drums involved in a fire, reducing the chances of an explosion. Vapours from this product are heavier than air and may accumulate in sumps, pits and other low-lying spaces, forming potentially explosive mixtures. They may also flash back considerable distances.

Fire decomposition products from this product may be toxic if inhaled. Take appropriate protective measures.

**Extinguishing Media:** Preferred extinguishing media are carbon dioxide, dry chemical, foam, water fog. Water fog or fine spray is the preferred medium for large fires. Ensure that no spillage enters drains or water courses.

**Fire Fighting:** Immediately evacuate the area of unnecessary personnel.

**Flash point:** 13 - 18°C Closed Cup

**Upper Flammability Limit:** 19%

**Lower Flammability Limit:** 3%

**Autoignition temperature:** 363°C

**Flammability Class:** Flammable 3

**Hazchem Code:** 2YE

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## SECTION 6 - ACCIDENTAL RELEASE MEASURES

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**Accidental release:** In the event of a major spill, prevent spillage from entering drains or water courses. Evacuate the spill area and deny entry to unnecessary and unprotected personnel. Immediately call the Fire Brigade. As a minimum, wear overalls, goggles and gloves. Suitable materials for protective clothing include rubber, PVC. Eye/face protective equipment should comprise as a minimum, protective glasses and, preferably, goggles. If there is a significant chance that vapours or mists are likely to build up in the cleanup area, we recommend that you use a respirator. Usually, no respirator is necessary when using this product. However, if you have any doubts consult the Australian Standard mentioned below (section 8).

Stop leak if safe to do so, and contain spill. Absorb onto sand, vermiculite or other suitable absorbent material. If spill is too large or if absorbent material is not available, try to create a dike to stop material spreading or going into drains or waterways. Avoid using sawdust or other combustible material. Any electrical equipment should be non-sparking. Any equipment capable of building an electrostatic charge should be electrically grounded. Sweep up and shovel or collect recoverable product into labelled containers for recycling or salvage, and dispose of promptly. Recycle containers wherever possible after careful cleaning. After spills, wash area preventing runoff from entering drains. If a significant quantity of material enters drains, advise emergency services. This material may be suitable for approved landfill. Ensure legality of disposal by consulting regulations prior to disposal. Thoroughly launder protective clothing before storage or re-use. Advise laundry of nature of contamination when sending contaminated clothing to laundry.

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## SECTION 7 - HANDLING AND STORAGE

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**Handling:** Keep exposure to this product to a minimum, and minimise the quantities kept in work areas. Check Section 8 of this SDS for details of personal protective measures, and make sure that those measures are followed. The measures detailed below under "Storage" should be followed during handling in order to minimise risks to persons using the product in the workplace. Also, avoid contact or contamination of product with incompatible materials listed in Section 10.

**Storage:** Store in a cool, well ventilated area, and make sure that surrounding electrical devices and switches are suitable. Check containers periodically for leaks. Containers should be kept closed in order to minimise contamination and possible evaporation. Make sure that the product does not come into contact with substances listed under "Incompatibilities" in Section 10. If you keep more than 10000kg or L of Dangerous Goods of Packaging Group III, you may be required to license the premises or notify your Dangerous Goods authority. If you have any doubts, we suggest you contact your Dangerous Goods authority in order to clarify your obligations. Check packaging - there may be further storage instructions on the label.

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## SECTION 8 - EXPOSURE CONTROLS AND PERSONAL PROTECTION

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The following Australian Standards will provide general advice regarding safety clothing and equipment:

Respiratory equipment: **AS/NZS 1715**, Protective Gloves: **AS 2161**, Occupational Protective Clothing: **AS/NZS 4501** set 2008, Industrial Eye Protection: **AS1336** and **AS/NZS 1337**, Occupational Protective Footwear: **AS/NZS2210**.

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### SAFETY DATA SHEET

| ASCC Exposure Limits   | TWA (mg/m <sup>3</sup> ) | STEL (mg/m <sup>3</sup> ) |
|------------------------|--------------------------|---------------------------|
| Ethanol                | 1880                     | not set                   |
| Methyl Isobutyl Ketone | 205                      | 307                       |

NOTE: The exposure value at the TWA is the average airborne concentration of a particular substance when calculated over a normal 8 hour day for a 5 day working week.

**Engineering Measures:** 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 onto the general area. In poorly ventilated areas, mechanical explosion proof extraction ventilation is recommended. Flammable/explosive vapours may accumulate in poorly ventilated areas. Vapours are heavier than air and may travel some distance to an ignition source and flash back. Maintain vapour levels below recommended exposure standard.

**Personal Protection Equipment:**

**Respirator:** When an inhalation risk exists, wear a type A (Organic Vapour) Respirator. At high levels wear Self Contained Breathing apparatus (SCBA) or an Air-Line Respirator (AS1715/1716).

**Eye Protection:** Splash proof goggles (AS1336/1337) is recommended when this product is being used.

**Hand Protection:** Nitrile or neoprene gloves are recommended (AS2161).

**Protective Material Types:** We suggest that protective clothing be made from the following materials: rubber, PVC.

**Respirator:** 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. However, if you have any doubts consult the Australian Standard mentioned above.

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## SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES:

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|   |   |
|---|---|
| <b>Physical Description &amp; colour:</b> | Clear liquid  |
| <b>Odour:</b>                             | Characteristic odour.   |
| <b>Boiling Point:</b>                     | 78°C at 100kPa  |
| <b>Freezing/Melting Point:</b>            | No data available   |
| <b>Volatiles:</b>                         | Slowly volatile at 100°C, but completely volatile at higher temperatures. |
| <b>Vapour Pressure:</b>                   | 5.9kPa (Ethanol) Pa (@ 25°C)  |
| <b>Vapour Density:</b>                    | > 1.  |
| <b>Specific Gravity:</b>                  | 0.79 g/ml – 0.81 g/ml   |
| <b>Water Solubility:</b>                  | Soluble.  |
| <b>pH:</b>                                | 7 - 8.  |
| <b>Volatility:</b>                        | 100%.   |
| <b>Flash Point:</b>                       | 13 - 18°C   |
| <b>Autoignition temp:</b>                 | 363°C   |
| <b>Evaporation Rate:</b>                  | No data.  |
| <b>Coeff Oil/water distribution:</b>      | No data   |
| <b>Additional Characteristics:</b>        | Vapour Pressure: 5.9kPa @ 200°C (Ethanol)<br>2.1kPa @ 200°C (MIBK)        |
| <b>Potential for Dust Explosion:</b>      | Product is a flammable liquid.  |

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## SECTION 10 - STABILITY AND REACTIVITY

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|                             |  |
|-----------------------------|--|
| <b>General Information:</b> | Extremely flammable.   |
| <b>Chemical Stability:</b>  | Product is stable under directed conditions of use and storage.  |
| <b>Conditions to Avoid:</b> | This product should be kept in a cool place, preferably below 30°C. Keep containers tightly closed. Keep containers and surrounding areas well ventilated. Keep away from sources of sparks or ignition. Handle and open containers carefully. Any electrical equipment in the area of this product should be flame proofed. |
| <b>Materials to Avoid:</b>  | Strong oxidising agents.   |
| <b>Fire Decomposition:</b>  | Combustion forms carbon dioxide, and if incomplete, carbon monoxide and possibly smoke. Water is also formed. Carbon monoxide poisoning produces headache, weakness, nausea, dizziness, confusion, dimness of vision, disturbance of judgment, and unconsciousness followed by coma and death.                               |
| <b>Polymerisation:</b>      | This product may react with strong oxidising agents such as liquid or powdered chlorine.   |

### SAFETY DATA SHEET

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## SECTION 11 - TOXICOLOGICAL INFORMATION

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**General Information:** Chronic Effects: Chronic intoxication by swallowing or repeated inhalation, may cause degenerative changes in the liver, kidneys, hair, gastrointestinal tract and heart muscle. The combination of this product and Toluene produce potentiated (greatly increased) health effects. These symptoms can be found in 'Ingestion' and 'Inhalation'. Other Health Effects Information: Persons with pre-existing liver impairment, skin and respiratory disorders may be at an increased risk from exposure. Ethanol may also cause adverse reproductive effects. Concurrent absorption of ethanol and some drugs may cause adverse health effects. Ingestion of beverages containing ethanol by pregnant women is associated with 'foetal alcohol syndrome' in their babies. The IARC has evaluated alcohol drinking as a Group 1 carcinogenic to humans.

**Toxicological Information:**

Oral LD50: Rat: 7060 mg/kg

Dermal LD50: Rabbit: 20 g/kg

**TOXICITY DATA:** Ethanol:

MIBK:

LC50 (Inhalation): 2000ppm/10hours (rat)

LD50 (Ingestion): 3450mg/kg (mouse)

LC50 (Inhalation): 23300mg/m<sup>3</sup> (rat)

LD50 (Skin): >20mL/kg (rabbit)

LD50 (Ingestion): 1600mg/kg (guinea pig)

**Eye/Irritant** This product is believed to be mildly irritating, to eyes, but is unlikely to cause anything more than mild Transient discomfort.

**Ingestion** Significant oral exposure is considered to be unlikely. However, this product may be irritating to mucous membranes but is unlikely to cause anything more than transient discomfort.

**Inhalation** Short Term Exposure: High vapour pressures may cause drowsiness and dizziness. In addition product may be mildly irritating, although unlikely to cause anything more than mild transient discomfort. Long Term Exposure: Vapours may cause drowsiness and dizziness.

**Skin/Irritant** Short Term Exposure: Available data indicates that this product is not harmful. It should present no hazards in normal use. However product may be mildly irritating, but is unlikely to cause anything more than mild discomfort which should disappear once contact ceases. Long Term Exposure: Repeated exposure may cause skin dryness or cracking.

**Carcinogen Category** No Data Available

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## SECTION 12 - ECOLOGICAL INFORMATION

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**Ecotoxicity** Fish toxicity: LC0 (Golden ide) >1000 mg/L/48 hrs.  
Invertebrate toxicity: EC50 (Daphnia magna) is >1000 mg/L/24 hrs.

**Persistence/Degradability**

This product is biodegradable.

**Mobility** No information available on mobility for this product.

**Environmental Fate** Avoid contaminating waterways, drains and sewers. Expected to not be an environmental hazard.

**Bioaccumulation Potential**

It will not accumulate in the soil or water or cause long term problems. Insufficient data to be sure of status.

**Environmental Impact**

No Data Available

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## SECTION 13 - DISPOSAL CONSIDERATIONS

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**Disposal:** This product may be recycled if unused, or if it has not been contaminated so as to make it unsuitable for its intended use. If it has been contaminated, it may be possible to reclaim the product by filtration, distillation or some other means. If neither of these options is suitable in-house, consider controlled incineration, or contact a specialist waste disposal company.

### SAFETY DATA SHEET

## SECTION 14 - TRANSPORT INFORMATION

Dangerous according to Australian Dangerous Goods (ADG) Code, IATA and IMDG/IMSBC criteria.

**UN Number:** 1170.

**Hazchem Code:** 2YE

**Special Provisions:** Poison S5

**EPG:** 14 Liquids – Highly Flammable

**Dangerous Goods Class:** Class 3: Flammable liquids.

**Packaging Group:** II

Class 3 Flammable Liquids shall not be loaded in the same vehicle or packed in the same freight container with Classes 1 (Explosives), 2.1 (Flammable Gases where flammable liquids and flammable gases are both in bulk), 2.3 (Toxic Gases), 4.2 (Spontaneously Combustible Substances), 5.1 (Oxidising Agents), 5.2 (Organic Peroxides), 6 (Toxic Substances, except Flammable Liquid is nitromethane), and 7 (Radioactive Substances). They may however be loaded in the same vehicle or packed in the same freight container with Classes 2.1 (Flammable Gases except where the Flammable Liquids and Flammable Gases are in bulk), 2.2 (Non-Flammable Non-Toxic Gases), 4.1 (Flammable Solids), 4.3 (Dangerous When Wet Substances), 6 (Toxic Substances, where Flammable Liquid is nitromethane), 8 (Corrosive Substances), 9 (Miscellaneous Dangerous Goods), Foodstuffs or foodstuff empties.

## SECTION 15 - REGULATORY INFORMATION

**AICS:** This product is compliant with NICNAS regulations.

The following ingredient: Naphtha (petroleum), hydrotreated heavy (as liquid hydrocarbon), is mentioned in the SUSMP.

## SECTION 16 - OTHER INFORMATION

This SDS contains only safety-related information. For other data see product literature.

### Acronyms:

|                     |   |
|---------------------|---|
| <b>ADG Code</b>     | Australian Code for the Transport of Dangerous Goods by Road and Rail (7 <sup>th</sup> edition)                     |
| <b>AICS</b>         | Australian Inventory of Chemical Substances   |
| <b>SWA</b>          | Safe Work Australia, formerly ASCC and NOHSC  |
| <b>CAS number</b>   | Chemical Abstracts Service Registry Number  |
| <b>Hazchem Code</b> | Emergency action code of numbers and letters that provide information to emergency services especially firefighters |
| <b>IARC</b>         | International Agency for Research on Cancer   |
| <b>NOS</b>          | Not otherwise specified   |
| <b>NTP</b>          | National Toxicology Program (USA)   |
| <b>R-Phrase</b>     | Risk Phrase   |
| <b>SUSMP</b>        | Standard for the Uniform Scheduling of Medicines & Poisons  |
| <b>UN Number</b>    | United Nations Number   |

THIS SDS SUMMARISES OUR BEST KNOWLEDGE OF THE HEALTH AND SAFETY HAZARD INFORMATION OF THE PRODUCT AND HOW TO SAFELY HANDLE AND USE THE PRODUCT IN THE WORKPLACE. EACH USER MUST REVIEW THIS SDS IN THE CONTEXT OF HOW THE PRODUCT WILL BE HANDLED AND USED IN THE WORKPLACE.

IF CLARIFICATION OR FURTHER INFORMATION IS NEEDED TO ENSURE THAT AN APPROPRIATE RISK ASSESSMENT CAN BE MADE, THE USER SHOULD CONTACT THIS COMPANY SO WE CAN ATTEMPT TO OBTAIN ADDITIONAL INFORMATION FROM OUR SUPPLIERS. OUR RESPONSIBILITY FOR PRODUCTS SOLD IS SUBJECT TO OUR STANDARD TERMS AND CONDITIONS, A COPY OF WHICH IS SENT TO OUR CUSTOMERS AND IS ALSO AVAILABLE ON REQUEST.

Please read all labels carefully before using product.

This SDS is prepared for Complete Carwash Supplies in accord with the SWA document "Preparation of Safety Data Sheets for Hazardous Chemicals - Code of Practice" (December 2011)

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## SAFETY DATA SHEET