



# Fortron Carburettor Cleaner Liquid

## Material Safety Data Sheet

HAZARDOUS ACCORDING TO THE CRITERIA OF SAFE WORK AUSTRALIA (formerly ASCC and NOHSC)

### Section 1 Identification of the Preparation and the Company

#### 1.1 Identification of the preparation

Product name: FORTRON CARBURETTOR CLEANER LIQUID  
Other Names CARBURETTOR CLEANER LIQUID  
Product code: FPCC20 – 20 LITRE CONTAINER  
FPCC200 – 200 LITRE CONTAINER  
Intended use: Carburettor and Throttle Body Cleaner

#### 1.2 Identification of the Company

Manufacturer Fortron Automotive Treatments Pty Ltd  
Address 14-18 Sangiorgio Court  
Osborne Park  
Perth WA 6017  
Country Australia  
Telephone +618 9202 7800 (Monday – Friday 8:00 am – 5:00 pm)  
Facsimile +618 9202 7851  
Web site www.fortron.com.au  
Australian emergency phone number Poisons Information Centre. Phone (eg Australia 13 1126; New Zealand 0800 764 766).

### Section 2 Hazard Identification

HAZARDOUS SUBSTANCE. DANGEROUS GOODS; Xi Irritant, Xn Harmful

The product is classified as hazardous according to the criteria of Safe Work Australia (formerly ASCC, NOHSC). It is a Class 3 dangerous good.

#### RISK PHRASES

R36 Irritating to eyes  
R38 Irritating to skin  
R48/20 Harmful: danger of serious damage to health by prolonged exposure through inhalation  
R63 Possible risk of harm to the unborn child  
R65 Harmful: May cause lung damage if swallowed

### Section 3 Composition/Information on Ingredients

The product is a carburettor cleaner, which contains hazardous ingredients at concentrations above the concentration cut-offs specified by Safe Work Australia.

Name	CAS Number	Concentration w/w
Toluene	108-88-3	30-60%
Diacetone alcohol	123-42-2	10-30%
Acetone	67-64-1	10-30%
Non-hazardous ingredients		Balance



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## Section 4 First-aid Measures

**EYES:** If in eyes, IMMEDIATELY hold eyelids apart and flush the eye continuously with running water. Seek medical attention. Continue flushing until advised to stop by the Poisons Information Centre or a doctor, or for at least 15 minutes.

**SKIN:** Remove contaminated clothing. Rinse the affected area with water then wash thoroughly with soap and water. Use water alone, if soap is unavailable. Seek medical attention if any soreness or inflammation of the skin persists or develops later. Launder affected clothing before re-use.

**INGESTION:** NEVER GIVE AN UNCONSCIOUS PERSON ANYTHING TO DRINK NOR ATTEMPT TO INDUCE VOMITING. If the person is conscious, rinse mouth out with water ensuring that mouth wash is not swallowed. Give about 250mL (2 glasses) of water to drink. DO NOT attempt to induce vomiting. Seek URGENT medical attention. For advice, contact a Poisons Information Centre (phone eg Australia 131 126; New Zealand 0800 764 766).

**INHALATION:** Avoid becoming a casualty. DO NOT enter a hazardous area without adequate breathing protection. Remove to fresh air. Keep warm and at rest. If breathing is laboured, hold in a half upright position (this assists respiration). Apply artificial respiration if breathing has stopped. Seek URGENT medical attention for all but the most minor cases of over-exposure.

**ADVICE TO DOCTOR:** Treat symptomatically.

## Section 5 Fire-fighting Measures

**FIRE HAZARD:** Highly flammable. Solvent vapours can form explosive mixtures with air in poorly ventilated conditions. Avoid all sources of ignition such as open flames, sparks, hot surfaces or burning cigarettes. The product may react with strong oxidising agents such as liquid or powdered chlorine.

**PRECAUTIONS:** Fire fighters should wear self-contained breathing apparatus in a fire situation.

**EXTINGUISHING MEDIA:** Extinguish using foam, carbon dioxide or dry chemical extinguishers. Water is not suitable for fire fighting.

## Section 6 Accidental Release Measures

Ensure that there are no sources of ignition present. Remove unnecessary personnel from the affected area. Wear protective equipment as specified for handling. If possible, dam the spill. Cover with an absorbent such as earth, sand or a commercial oil absorber. Sweep up and collect in sealable containers. Dispose to approved landfill.

## Section 7 Handling and Storage

**HANDLING:** Avoid any contact with the skin or eyes. Avoid breathing vapours. Use protective equipment as in Section 8

**STORAGE:** Store in a flammable liquids area: designated no smoking, away from all sources of ignition, out of direct sunlight in a cool well ventilated area below 25 degrees Celsius. Higher temperatures may cause pressure build up inside containers. Protect containers against physical damage. Ventilation along the floor is advised for bulk storage. Class 3 Flammable Liquids should not be stored with goods of:

- Class 1 (Explosives)
- Class 2.1 (Flammable Gases, where both flammable liquid and flammable gases are in bulk)
- Class 2.3 (Poisonous Gases)
- Class 4.2 (Spontaneously Combustible Substances)
- Class 5.1 (Oxidising Agents), Class 6 (Poisonous (toxic) Substances, where the flammable liquid is nitromethane)
- Class 7 (Radioactive Substances).



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### Section 8 Exposure Controls / Personal Protection

**EXPOSURE STANDARDS:** Exposure Standards have not been allocated to this product. Information for ingredients is:  
Toluene: E.S. TWA: 50ppm, 191mg/m<sup>3</sup>, STEL: 150ppm, 574mg/m<sup>3</sup>  
Diacetone alcohol: E.S. TWA: 50ppm, 238mg/m<sup>3</sup>  
Acetone: E.S. TWA: 500ppm, 1185mg/m<sup>3</sup>, STEL: 1000ppm, 2375mg/m<sup>3</sup>  
Exposure standard represents the airborne concentration of a particular substance in the worker's breathing zone, exposure to which, according to current knowledge, should not cause adverse health effects nor cause undue discomfort to nearly all workers. The exposure standard can be of three forms; time-weighted average (TWA), peak, or short term exposure limit (STEL).

**BIOLOGICAL LIMIT VALUES:** None allocated.

**ENGINEERING CONTROLS:** Ventilation requirements depend on the quantity of product in use and the method of application. Ventilation should be sufficient to maintain vapour levels below the appropriate exposure standard. Use only in well-ventilated areas unless forced air ventilation is employed, this is due to the fire hazard as well as the risks from inhalation. Local exhaust ventilation may be required if large quantities of this product are used in a confined area.

**PERSONAL PROTECTION:** Requirements are dependant on working conditions, quantity of product in use and method of application. For minor use safety goggles and nitrile, neoprene, polyvinyl chloride (PVC) or natural rubber gloves may be sufficient. If large quantities are in use; chemical resistant safety goggles, gloves or gauntlets and overalls. A half face respirator with organic solvent vapour filter is required unless the area is well ventilated. In confined or poorly ventilated areas use air supplied breathing apparatus. N.B. TAKE THE LIMITS OF ABSORPTION CAPACITY INTO ACCOUNT. CHANGE FILTERS REGULARLY.

### Section 9 Physical and Chemical Properties

Appearance	Slightly viscous liquid.
Odour	Typical
Colour	Clear
Solubility	Partly miscible
Ph: 1% Solution	Not pertinent
Boiling point	110°C
Flash point	-20°C (based on acetone)
Explosive properties	LEL: 2.5. UEL: 12.8% (based on acetone)
Vapour pressure	400mmHg (based on acetone)
Specific gravity	0.8

### Section 10 Stability and Reactivity

Highly flammable. Solvent vapours can form explosive mixtures with air in poorly ventilated conditions. Containers may explode if heated. Vapour is heavier than air and may travel along the ground, distant ignition is possible. May react with oxidising materials such as liquid or powdered chlorine and contact should be avoided.



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## Section 11 Toxicological Information

### HEALTH HAZARDS ACUTE

INGESTION: Irritating. May cause coughing, headache, dullness, abdominal spasm and diarrhoea.

EYE: Liquid and high vapour concentration are irritating and may cause watering of the eyes.

SKIN: Irritating. Contact with the product may defat the skin and contribute to dermatitis.

INHALATION Highly volatile. Vapours are irritating to the eyes, nose and throat and affect the central nervous system, causing coughing, headache, nausea and dizziness. Higher concentrations may cause unconsciousness and coma. Death may result from severe and continued exposure.

### HEALTH HAZARDS CHRONIC

Inhalation and ingestion are the routes of entry into the body. The product defats the skin and prolonged or repeated contact may contribute to dermatitis. Chronic exposure may affect kidneys and liver.

Toluene LD50 (Oral rat): 636 mg/kg; LD50 (skin, rabbit): 14100 uL/kg; LC50 (inhalation, rat): 49 gm/m<sup>3</sup>/4H;. Investigated as a tumorigenic, mutagen, reproductive effector.

Diacetone alcohol LD50 (Oral, rat): 4.0 g/Kg; LD50 (Skin, rabbit): 13,500 mg/kg

Acetone LD50 (Oral, rat): 5800 mg/kg; LC50 (Inhalation, rat): 50,100mg/m<sup>3</sup>;

## Section 12 Ecological Information

Environmental Toxicity: Hazardous to the environment. Do not allow to enter drains or waterways.

WATER: The product will volatilise rapidly from water (half life - days). Bio concentration should not be significant.

SOIL: Product will biodegrade quickly in soil and water.

ATMOSPHERE: The product is expected to exist predominantly in the vapour phase and will be rapidly degraded in the atmosphere by reaction with photochemically produced hydroxyl radicals.

## Section 13 Disposal Considerations

Dispose by controlled incineration or to approved land-fill.

## Section 14 Transport Information

This product is a Class 3 dangerous good according to the Australian Code for the Transportation of Dangerous Goods by Road and Rail (ADG Code).

UN Number: 1993

Proper shipping name: FLAMMABLE LIQUIDS N.O.S.

DG Class: 3

HazChem code: 3[Y]

Packing group: III

Class 3 Flammable Liquids should not be transported with goods of:

Class 1 (Explosives)

Class 2.1 (Flammable Gases, where both flammable liquid and flammable gases are in bulk)

Class 2.3 (Poisonous Gases)

Class 4.2 (Spontaneously Combustible Substances)

Class 5.1 (Oxidising Agents), Class 6 (Poisonous (toxic) Substances, where the flammable liquid is nitromethane)

Class 7 (Radioactive Substances).



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### Section 15 Regulatory Information

Product is a Scheduled 5 (S5) Poison according to the Standard for the Uniform Scheduling of Drugs and Poisons (SUSDP).

Labelling Information:

RISK PHRASES

R11 Highly flammable

R36 Irritating to eyes

R38 Irritating to skin

R48/20 Harmful: danger of serious damage to health by prolonged exposure through inhalation

R63 Possible risk of harm to the unborn child

R65 Harmful: May cause lung damage if swallowed

R67 Vapours may cause drowsiness and dizziness.

SAFETY PHRASES

S2 Keep out of reach of children

S24/24 Avoid contact with skin and eyes

S36/37 Wear suitable protective clothing and gloves

S62 If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.

### Section 16 Further Information

Date of Preparation: 10/06/09

Prepared by: C M Ferrins, Consultant Industrial Hygienist

#### REFERENCES

1. List of Designated Hazardous Substances [NOHSC: 10005(1999)]
2. National Code of Practice for the Preparation of Material Safety Data Sheets 2<sup>nd</sup> Edition [NOHSC: 2011(2003)]
3. Exposure Standards for Atmospheric Contaminants in the Occupational Environment [NOHSC: 1003(1995)] and subsequent amendments
4. Australian Code for the Transportation of Dangerous Goods by Road and Rail (ADG Code), 6th Edition, 1998
5. International Maritime Dangerous Goods Code (IMDG), and current amendments

#### ABBREVIATIONS

LC50	Lethal dose for 50% of test population, by inhalation.
LDLo	Lowest documented lethal dose
LD50	Lethal dose for 50% of test population, by ingestion or skin contact
TDLo	Lowest published toxic dose

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