



Car Clean Products NZ Limited  
Ph + 64 9 250 0091 - Fax + 64 9 250 0092 - www.pacer.co.nz  
33 Ha Crescent, Wiri - P O Box 97 948 - Manukau - Auckland 2241 - New Zealand

## SAFETY DATA SHEET

### Section 1. Identification of the material and the supplier

Product: Toluol/Toluene  
 Product Code: TOL  
 Product Use: Industrial chemical

New Zealand Supplier: Car Clean Products NZ Limited  
 Address: 33 Ha Crescent  
 Wiri  
 Auckland

Telephone: 09 250 0091  
 Fax Number: 09 250 0092

**Emergency Telephone: 0800 POISON (0800 764 766)**

Date of MSDS Preparation: March 2019

### Section 2. Composition / Information on Ingredients

Ingredients	Proportion (% mass)	CAS Number
Toluene	100	108-88-3

### Section 3. Hazards Identification

Harmful if swallowed. Harmful if inhaled. Causes eye irritation. May cause an allergic skin reaction. Extremely flammable liquid and vapour. Harmful to aquatic life. This product is classified as hazardous under HSNO criteria.

#### Potential Health Effects



**DANGER**

**H224** Extremely flammable liquid and vapour  
**H302** Harmful if swallowed  
**H332** Harmful if inhaled

**H317 May cause an allergic skin reaction**

Swallowed	This material will cause irritation to the throat and tube to the stomach and may cause nausea. Vomiting may cause the product to be aspirated to the lungs resulting in chemical pneumonitis.
Eyes	Will cause redness and swelling with a burning sensation and blurred vision.
Skin	Irritating to the skin with prolonged exposure. It may result in dryness and cracking.
Inhalation	Harmful by inhalation. Vapours will cause dizziness and drowsiness. There is a possibility of organ damage over prolonged use or exposure. Central Nervous System depression includes nausea, dizziness and possibly loss of consciousness, coma and even death.

**Section 4. First Aid Measures**

## Routes of Exposure:

Eye	Hold eyes open and flush with water for at least 15 minutes.
Skin	Immediately remove contaminated clothing and wash skin and clothes thoroughly with running water.
Ingestion	Do not induce vomiting. Give glass of water. If victim not breathing begin artificial respiration. Obtain medical attention.
Inhalation	Remove to fresh air. If breathing is difficult, seek medical attention immediately

**Section 5. Fire Fighting Measures**

Suitable Extinguishing media	Dry chemical or foam. Do not use water jet.
Fire and Explosion hazards	Flammable liquid. Vapour accumulation could flash and/or explode if ignited
Fire Fighting Instructions	Fire fighters must use recommended protective equipment and self-contained breathing apparatus. <b>Hazchem Code 3[Y]E</b>

**Section 6. Accidental Release Measures**

Land Spill or Leaks	Evacuate spill area and eliminate all ignition sources. Report spill to fire brigade. If possible remove leaking containers to a detached area wearing approved respirator and personal protection equipment. Bund spill area with
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inert material. Avoid contact with skin and eyes.  
Do not breathe vapour. Extinguish naked flames.  
Remove ignition sources. No smoking. Evacuate the area of all non-essential personnel. Shut off leaks, if possible without personal risk. Wear full-face respirator with canister and filter

## Section 7. Handling and Storage

Handling Advice: Store away from heat and open flames. Store at ambient temperatures. Keep containers tightly closed and in a well-ventilated place

Storing Procedures: Store away from heat and open flames. Store at ambient temperatures. Keep containers tightly closed and in a well-ventilated place. Do not store alongside food or feedstuffs.

## Section 8 Exposure Controls / Personal Protection

Engineering Controls: Use only in well ventilated area. Eliminate sources of static buildup. Earth bulk containers.

Personal Protective Equipment: Wear half face respirator with organic vapour cartridge with built-in particulate filter NPF20 (gas only). Chemical monogoggles ,PVC gloves, chemical resistant safety shoes or boots and standard issue work clothes should be worn

## Section 9 Physical and Chemical Properties

Appearance	Clear liquid
Odour:	Characteristic
Odour threshold	Data not available
pH	N/A
Melting/Freezing point	-95°C
Initial boiling point/range	110.6°C
Flash point	4.4°C
Flammability	Liquid
Upper/Lower flammability limits	1.3
Vapour pressure	2.93 @ 20°C
Vapour density	Data not available
Relative density	3.2
Solubility in water, % mass:	0.515 kg/m3
Partition coefficient	
Auto-ignition temperature	529-536°C
Decomposition temperature	Data not available
Kinematic viscosity	Data not available
Particle characteristics	Data not available

## Section 10. Stability and Reactivity

Chemical Stability	Stable at room temperature and pressure
Conditions to Avoid	Sources of heat and ignition, open flames
Incompatibility	Oxidising agents, mineral acids, halogenated organic compounds. Combination with Ethanol will result in potentiated health effects.
Hazardous Decomposition Products	No decomposition products except in fire then carbon dioxide and carbon monoxide.

### Section 11 Toxicological Information

Acute Oral Toxicity	>2000 mg/kg (rat)
Acute Dermal Toxicity	>2000 mg/kg (rabbit)
Inhalation	>20 mg/l for 4 hour (rat)
Long term Effects	Repeated over exposure may cause hemolysis of the red blood cells leading to possible liver and kidney damage. Any existing dermatitis may be exacerbated by exposure to this product.

### Section 12. Ecotoxicological Information

#### Environmental Precautions:

*Ecological Toxicity*                      *Readily biodegradable. Oxidises rapidly by photo-chemical reactions in the air. Does not bioaccumulate significantly.*

#### Environmental Fate:

*Soil*    *Product is highly volatile and will rapidly evaporate to the air.*

*Water*    *As for soil*

Environmental Exposure Limits    EEL<sub>water</sub> Not set

### Section 13. Disposal Considerations

Dispose of waste at an appropriate waste disposal facility in accordance with local authority bylaws.

Empty and open containers can retain vapour residues for long periods of time risking unintended ignition or explosion. Puncture or crush before sending to a landfill.

### Section 14 Transport Information

#### Road, Rail, Marine and Air Transport

UN No : 1294  
Class-primary : 3  
Packing Group : II  
Proper Shipping Name: : Toluene

**Section 15 Regulatory Information**

Primary HSNO Class 3.1B,  
Subsidiary classes 6.1D, 6.3A, 6.4A, 6.8A, 6.9B, 9.1D, 9.3C  
ERMA Approval No HSR001511

**Section 16 Other Information**

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Packaged in 4lt, 20lt & 200lt containers. Codes TOL4, TOL20, TOL9.

The information herein is given in good faith, but no warranty, express or implied is made.

Please contact the New Zealand proprietor, Car Clean Products NZ Limited,  
Phone: 09 250 0091, if further information is required.

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## TOLUOL

### **PURPOSE:**

Toluene is mainly used in applications where a solvent with fast evaporation is required.

### **DIRECTIONS:**

Cleaning: Spray or wipe onto surface, agitate to clean and wipe off with a clean cloth or allow to evaporate.

### **WARNING:**

**DANGER: GIVES OFF HIGHLY FLAMMABLE VAPOUR.**

**Keep well away from heat, sparks and open flame. Keep closed when not in use.**

Harmful if swallowed, inhaled or absorbed through skin. May cause skin and eye irritation.