



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: Brake Clean  
 Product Code: BC  
 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
Heptane and Isomers	32-36	Various
Cyclohexane	25-27	110-82-7
n-hexane	15-20	110-54-3
Methyl Cyclohexane	<10	108-87-2

### Section 3. Hazards Identification

Harmful if swallowed. Harmful if inhaled. Causes eye irritation. May cause an allergic skin reaction. Extremely flammable liquid and vapour.

This product is classified as hazardous under HSNO criteria.

**DANGER**

**H224 Extremely flammable liquid and vapour**  
**H304 May be fatal if swallowed and enters airways**  
**H302 Harmful if swallowed**  
**H332 Harmful if inhaled**

**H317 May cause an allergic skin reaction****Potential Health Effects**

Swallowed	Produces hallucinations and narcotic effect. Ingestion of large amounts will result in drowsiness, fatigue, loss of appetite, paresthesia in distal extremities. Possibility of muscle weakness, cold pulsation in extremities, blurred vision, headache and nausea. Vomiting may cause this product to be aspirated to the lungs causing chemical pneumonitis or pulmonary odema.
Eyes	Irritating to the eyes but will not permanently damage the eye tissue.
Skin	Irritating to the skin with prolonged exposure. It may result in dryness and cracking.
Inhalation	Irritating to the respiratory tract. Exposure to large concentrations over an extended period will result in muscle weakness, blurred vision, headaches, nausea and possible loss of consciousness.

<b>Section 4. First Aid Measures</b>
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## 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. Rinse mouth with water. If victim not breathing begin artificial respiration. Obtain medical attention.
Inhalation	Remove to fresh air. If breathing is difficult, seek medical attention immediately

<b>Section 5. Fire Fighting Measures</b>
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Suitable Extinguishing media	Dry chemical or foam.
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.

**Hazchem Code 3WE****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 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:	Paraffinic sweet
Odour threshold	Data not available
Melting/Freezing point	Data not available
Initial boiling point/range	50-135°C
Flash point	-15°C
Flammability	Liquid
Upper/Lower flammability limits	1-7.5%
Vapour pressure	Data not available
Vapour density	670-755 kg/m <sup>3</sup> @ 15°C
Relative density	Data not available
Solubility in water, % mass:	<0.10

Partition coefficient	Data not available
Auto-ignition temperature	Data not available
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 MEK 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	28710 mg/kg (rat)
Acute Dermal Toxicity	>2000 mg/kg (rabbit)
Inhalation	190 ppm (human)
Long term Effects	There is evidence of potentially irreversible damage to the peripheral nervous system, particularly arms and legs.

## 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 : 3295  
 Class-primary : 3  
 Packing Group : II  
 Proper Shipping Name: : Petroleum Spirit

## **Section 15      Regulatory Information**

Primary HSNO Class 3.1B,  
 Subsidiary classes 6.1E, 6.3B, 9.1B  
 ERMA Approval No HSR002650

## **Section 16      Other Information**

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Packaged in 4lt, 20lt & 200lt containers. Codes BC4, BC20, BC9.

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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## BRAKE CLEAN

### **PURPOSE:**

PACER Brake Cleaner is a universal cleaner especially for automotive applications. In comparison with conventional cleaners, PACER Brake Cleaner evaporates without residue. It quickly degreases and cleans metals and glass.

### **DIRECTIONS:**

**Cleaning:** Spray Brake Clean onto the surface, agitate to clean and then wipe away with a clean cloth or allow to evaporate.

### **WARNING:**

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

### **DANGER:**

**GIVES OFF A HIGHLY FLAMMABLE VAPOUR.** Keep well away from heat, sparks and an open flame. Keep the container closed when not in use.

**KEEP OUT OF REACH OF CHILDREN**