



Car Clean Products NZ Limited
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739 Great South Road - P O Box 22 456 - Otahuhu – Auckland 1640 - New Zealand

SAFETY DATA SHEET

Section 1. Identification of the material and the supplier

Product: Car System Brake Cleaner
 Product Code:
 Product Use: Multi Purpose Cleaner for automotive applications. Evaporates without residue. It quickly degreases and cleans metals, glass and many plastics.

New Zealand Supplier: Car Clean Products NZ Limited
 Address: 739 Great South Road
 Otahuhu
 Auckland

Telephone: 09 276 8232
 Fax Number: 09 276 7952

Emergency Telephone: 0800 POISON (0800 764 766)

Date of MSDS Preparation: 25 November 2008 – Version 2

Section 2. Hazards Identification

Flammable liquid. Vapour –air mixtures can be explosive Hazardous by inhalation.

Potential Health Effects



Swallowed Swallowing may cause aspiration into the lungs with the risk of chemical pneumonitis. In extreme cases this product can cause effects on the central nervous system.

Eyes Will irritate the eyes causing redness and pain

Skin Causes immediate irritation. Defats the skin causing dry skin and redness. Blisters may develop several hours later.

Inhalation Dizziness, drowsiness, dullness, headache, laboured breathing. Use of alcohol enhances the effect.

Section 3. Composition / Information on Ingredients

Ingredients	Proportion (% mass)	Cas No
Naphtha Petroleum, light, hydrotreated	30-60	64742-49-0
n-hexane	30-60	110-54-3
other ingredients	0-40	

Section 4. First Aid Measures

Routes of Exposure:

Eye	Wash out with running water for at least 15 minutes. Remove contact lens if worn. Seek medical attention if pain persists
Skin	Remove all contaminated clothing, including footwear. Flush skin and hair with running water and soap if available. Seek medical attention.
Ingestion	DO NOT induce vomiting. If vomiting occurs lean patient forward or place on their left side. Give water to rinse out mouth, then Give as much water as they can drink. Seek medical advice. Avoid giving milk or oils.
Inhalation	Remove from contaminated area. Apply artificial respiration if not breathing. Perform CPR if necessary. Seek medical help immediately.

Section 5. Fire Fighting Measures

Suitable Extinguishing media	Use dry chemical, carbon dioxide or foam extinguisher
Fire and Explosion hazards	Liquid and vapour are highly flammable. Severe hazard when exposed to heat, flame or oxidizers. Vapour may travel a considerable distance to source of ignition. Heating may cause expansion or decomposition leading to violent rupture of containers. On combustion may emit toxic fumes of carbon monoxide (CO).
Fire Fighting Instructions	Keep drums or containers cool by spraying with water from a distance. If safe, switch off all electrical equipment until vapour fire hazard removed If fire not containable by fire extinguishers call fire service without delay. Wear protective clothing including breathing apparatus . Prevent spillage from entering drains or water course.

Hazchem 3YE

Section 6. Accidental Release Measures

Land Spill or Leaks	<p>Small Spill – Remove all ignition sources. Wear chemically protective gloves and goggles. Avoid breathing vapours.</p> <p>Contain and absorb with absorbent material. Collect residues in a flammable waste container.</p> <p>Large Spills – Wear Protective clothing including breathing apparatus. Prevent spillage from entering drains or water course. No smoking, naked lights or ignition sources. Increase ventilation. Stop leak if safe to do so. Water spray or fog may be used to disperse/absorb vapour. Contain spill with sand. Collect solid residues and seal in labeled drums for disposal. Wash area and prevent runoff into drains. If contamination into waterways occurs, advise emergency services.</p>
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Section 7. Handling and Storage

Handling Advice:	<p>Avoid personal contact, including inhalation. Wear Protective clothing. Use in well ventilated area. Do not enter confined spaces until atmosphere has been checked. Avoid smoking, naked lights, heat or ignition sources. Do not eat, drink or smoke when handling. Vapour may ignite on pumping or pouring due to static electricity. Use sparks-free tools when handling. Do not allow clothing wet with material to stay in contact with skin.</p>
Storing Procedures:	<p>Store in original containers in approved flame-proof area. No smoking, naked lights, heat or ignition sources. Do not store in pits, depressions, basements or areas where vapours may be trapped. Store away from incompatible materials in a cool, dry well ventilated area.</p>

Section 8 Exposure Controls / Personal Protection

Engineering Controls:	<p>For flammable liquids and flammable gases, local exhaust ventilation or a process enclosure ventilation systems may be required. Ventilation equipment system may be required. Ventilation equipment should be explosion-resistant.</p>
Personal Protective Equipment:	<p>For normal use it is recommended to wear safety glasses and to use PVC gloves. Contact lenses may pose a specific hazard, soft contact lenses may absorb and concentrate irritants. Lens should be removed at first</p>

signs of eye redness or irritation – lens should be removed in a clean environment.

Section 9 Physical and Chemical Properties

Physical State:	Liquid
Colour:	Clear
Odour:	Mild odour
pH:	Not applicable
Solubility in water, % mass:	insoluble
Relative Vapour Density (air=1):	Not available
Boiling point, °C :	approx 70°C (as n-hexane)
Ignition Point:	240°C (as n-hexane)
Flash Point, °C:	-22°C (as n-hexane)
Specific Gravity:	0.7
Vapour Pressure@ 25°C, mmHg:	
Volatiles:	60%

Section 10. Stability and Reactivity

Chemical Stability	Stable. Will not react or polymerise
Conditions to Avoid	High temperatures above 40°C
Incompatibility	Reacts with strong oxidants causing fire and explosion
Hazardous Decomposition Products	Toxic fumes in a fire

Section 11 Toxicological Information

Acute Oral Toxicity	LD ₅₀ Rat (oral) >2000 mg / kg bw
Acute Dermal Toxicity	LD ₅₀ Rat (dermal) >2000 mg / kg bw
Long term Effects	Human target organs (kidney, lungs) can be adversely affected during long-term skin and inhalation exposure
Toxicological Data	Not available

Section 12. Ecotoxicological Information

Environmental Precautions:

Ecological Toxicity Toxic to aquatic and terrestrial organisms

Environmental Fate:

Soil Will evaporate quickly. Residue may persist

Water Will evaporate quickly. Residue may persist in sediment

Environmental Exposure Limits EEL_{water} not set

Section 13. Disposal Considerations

Recycle wherever possible. Residue may be incinerated if safe to do so. Crush or puncture containers before disposing at an approved site.

Triple rinse containers with water before disposing to domestic rubbish.

Section 14 Transport Information

Road, Rail, Marine and Air Transport

UN No	:	1993
Class-primary	:	3
Packing Group	:	III
Proper Shipping Name	:	Flammable Liquid, N.O.S. (n-hexane)

Under the NZ Land Transport Rule Dangerous Goods 2005 up to 250L may be transported on land without vehicle placarding or a DG endorsed driver's license providing it is not for hire or direct reward.

Section 15 Regulatory Information

Classification	3.1B, 6.1E, 6.3A, 6.4A, 6.9A (inhalation), 9.1B (fish and crustaceans)
Group Standard	Cleaning Product (flammable)
ERMA Approval No	HSR002528

Under the HSNO Regulations, for quantities of class 3.1B flammable liquids held on a site over ;

- 250L in containers > 5L or 500 L in containers < 5L a certificated approved handler is required to be available
- 100L in containers > 5L or 250 L in containers < 5L, or 50L continuously open a Location Test Certificate for storage is required
- 250L hazchem site signage is required
- 250L an emergency response plan is required

Section 16 Other Information

Supplied in 20lt drums. Code: BC20.

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: 09 276 8232, if further information is required.

Prepared by: Technical Strategy Group Ltd, www.techstrat.co.nz