

Section 1: Identification of the Substance/Mixture and of the Supplier

Product Name:	BRAKEKLEEN AEROSOLS
Proper Shipping Name	Aerosols
Recommended use:	Brake Parts Cleaner
Company Details	Marketing Chemicals Ltd
Address:	2 Rymer Place, Mangere Bridge Auckland. New Zealand
Emergency Telephone:	+64 274 736008(24 hours) National Poison Center(24 hours): 0800 POISON [764 766]
Telephone:	+64 9 634 3862 [8.00 am to 4.30pm – Monday to Friday]
Fax:	+64 9 634 3864
Date of preparation	17 September 2014

Section 2: Hazard Identification

Considered a Hazardous Substance according to the criteria of the New Zealand Hazardous Substances New Organisms legislation.



Danger:

- **Extremely flammable aerosol.**
- **May be harmful if swallowed.**
- **Causes mild skin irritation.**
- **Causes serious eye irritation.**
- **Causes damage to organs through prolonged or repeated exposure.**
- **Toxic to aquatic life with long lasting effects.**

HSNO Classifications: 2.1.2A; 6.1D(oral,inhalation); 6.3A; 6.8B; 6.9B(inhalation); 9.1B
HSNO Approval No: HSR002515

Prevention Statements:

- Keep out of reach of children
- Do not handle until all safety precautions have been read and understood.
- Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
- Do not spray on an open flame or other ignition source.
- Pressurized container: Do not pierce or burn, even after use.
- Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.

- Wash hands thoroughly after handling.
- Use personal protective equipment as required.
- Avoid release to the environment.
- Wear protective gloves/protective clothing/eye protection/face protection.
- Use personal protective equipment as required.

Response Statements

- IF ON SKIN: Wash with plenty of soap and water.
- IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- IF exposed or concerned: Get medical advice/attention.
- Call a POISON CENTER or doctor/physician if you feel unwell.
- If skin irritation occurs: Get medical advice/attention.
- If eye irritation persists: Get medical advice/attention.
- Take off contaminated clothing and wash before re-use.
- Collect spillage.

Storage Statements

- Store in a well-ventilated place. Keep container tightly closed.
- Store locked up.
- Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.

Section 3: Composition/Information on Ingredients

Name	Concentration %	CAS Number
Toluene	< 60	108-88-3
Heptane	< 60	142-82-5
Carbon Dioxide (Propellant)	< 10	124-38-9

Note: Manufacturer has provided full ingredient information for assessment.

Section 4: First Aid Measures

- Eyes:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
- Skin:** Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. If skin irritation occurs: Get medical advice/ attention.
- Ingestion:** If medical advice is needed, have product container or label at hand.
Call a POISON CENTER or doctor/physician if you feel unwell.
Do NOT induce vomiting.

Inhalation: Remove from contaminated area. Get medical advice/attention if you feel unwell.
Exposure to high concentrations of this material (e.g., in enclosed spaces or with deliberate abuse) may be associated with cardiac arrhythmias. Epinephrine and other sympathomimetic drugs may initiate cardiac arrhythmias in persons exposed to this material. If such drugs are administered, observe for the development of cardiac arrhythmias.

**FOR FURTHER INFORMATION CONTACT (24 hours)
THE NATIONAL POISON CENTRE: 0800 POISON [764 766]**

Section 5: Fire Fighting Measures

Flash Point: -22° Celsius
Autoignition Temperature: 280° Celsius
Flammable Limits in Air % by Volume: LEL 1.0% UEL 6.0%
Extinguishing Media: CO2, Dry Chemical or Foam.
Fire Fighting Instructions: Full respiration equipment is advisable. Evacuate area.
Unusual Fire and Explosion Hazards: Flammable liquid, can release vapors that form flammable mixtures at temperatures at or above the flashpoint. Static Discharge, material can accumulate static charges that can cause an incendiary electrical discharge. "Empty" containers retain product residue (liquid and/or vapor) and can be dangerous. DO NOT pressurize, cut, weld, braze, solder, drill, grind or expose such containers to heat, flame, sparks, static electricity or other sources of ignition; THEY MAY EXPLODE AND CAUSE INJURY OR DEATH. Extremely Flammable.

Section 6: Accidental Release Measures

Land Spills or Leaks: Eliminate ignition sources. Prevent by any means available, spillage from entering drains or water course. If safe, damaged cans should be placed in a container outdoors, away from all ignition sources, until pressure has dissipated.

Section 7: Handling And Storage

Handling
Eyes: Safety glasses with a side shield or a full face shield should be worn.
Gloves: PVC Gauntlet gloves must be worn.
Respiratory Protection: If using in confined area, self contained breathing apparatus should be worn.
Ventilation: Ensure all ventilation equipment is flameproof
Other Clothing: A plastic apron should be worn.
Storage: Store in a well-ventilated place. Store below 38°C. Keep out of reach of children. Protect containers against physical damage and check regularly for leaks.

Section 8: Exposure Controls/Personal Protection

Engineering Controls: Local exhaust ventilation usually required

Eye / Face Protection:	Safety glasses with a side shield or a full-face shield should be worn.
Body Protection:	Overalls / PVC apron
Respiratory Protection:	Self contained Breathing apparatus required if using in a confined space
Exposure Limits:	Toluene- (TWA-ppm)-50

Section 9: Physical And Chemical Properties

Appearance:	Aerosol Can 600gms
Physical State:	Vapourised Clear Liquid
Odour:	Solvent Odour
pH:	Not applicable
Solubility:	Slightly miscible
Vapour Density:	N/A
Boiling Point:	N/A
Freezing Point:	Not applicable
Ignition Point:	280° Celsius
Flash Point:	-22° Celsius
Specific Gravity:	0.76
Vapour Pressure:	N/A
% Volatiles:	100%

Section 10: Stability And Reactivity

Conditions Contributing to Instability:	Stable under normal conditions.
Incompatibility:	Open flame/High heat
Hazardous Decomposition Products:	N/A
Conditions Contributing to Hazardous Polymerization	Will not polymerise

Section 11: Toxicological Information

Eyes:	For Toluene Species: Rabbit Result: Irritating
Ingestion:	For Toluene Species: Rat; ENDPOINT: LD50 Value: 636mg/kg
Skin:	Species: Rabbit Result: Irritating
Inhalation:	For Toluene Species: Rat; ENDPOINT:LC50 Value: 12.5mg/l

Section 12: Ecological Information

9.1D Fish:

Species;Oncorhynchus mykiss; Rainbow Trout, Donaldson Trout

Type of Exposure: Duration: 96hr; Endpoint:LC50 (Mortality); Value: 11.5mg/l

9.1D (Crustacean)

Acute

Species: Daphnia Magna (Crustacean)

TYPE OF EXPOSURE: DURATION: 48hr; Endpoint EC50; Value: 11.5mg/l

CHRONIC

Species: Daphnia Magna

TYPE OF EXPOSURE: Duration:21 days; Endpoint; NOEC; Value: 1mg/l

Section 13: Disposal Considerations

This material 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. Shelf life considerations should also be applied in making decisions of this type. Note that properties of a material may change in use, and recycling or reuse may not always be appropriate.

Discharge cans at an approved site. Allow small quantities to evaporate. DO NOT incinerate or puncture cans

Section 14: Transport Information



UN No:	1950
Proper Shipping Name:	Aerosols
Dangerous Goods Class:	2.1
Packing Group:	None
Hazchem Code:	None

Section 15: Regulatory Information

HSNO Approval No:	HSR2515
Group Standard:	Aerosols (Flammable)
HSNO Classes:	2.1.2A; 6.1D; 6.3A; 6.8B; 6.9B; 9.1B

The Land Transport Rule 45001/1 2005 requires that a vehicle transporting this product by road in quantities more than 50kg including the packaging, be placarded with its description or UN Number, accompanied with a Dangerous Goods Declaration and that the driver have a DG endorsement on their drivers license.

Section 16: Other Information

New Zealand National Poison Information Centre(24 hours): 0800 POISON [764 766]

New Zealand Emergency Services : 111

For General Information : John Crombie, Manager, Marketing Chemicals Ltd,
Phone: +64 (09) 634 3862 / +64 (0)27 473 6008
Fax : +64 (09) 634 3864

Marketing Chemicals Ltd has taken care in compiling this information. No liability is accepted directly or indirectly from its application as conditions of use are outside the Company's control. End users are obliged to conform to relevant Local Government regulations.

End of Safety Data Sheet.

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