

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

Product Name:	BRAKEKLEEN AEROSOLS
Proper Shipping Name	Aerosols
Recommended use:	Brake cleaner
Company Details	Marketing Chemicals Ltd
Address:	7/343 Church Street , Penrose, Auckland. New Zealand
Telephone:	+64 9 634 3862 [8.00 am to 4.30pm – Monday to Friday]
Fax:	+64 9 634 3864
Emergency Telephone:	+64 274 736008(24 hours) National Poison Centre(24 hours): 0800 POISON [764 766]
Date of preparation	14 January 2009

Section 2: Hazard Identification



DANGER

- May cause respiratory irritation
- Extremely flammable aerosol
- Harmful if swallowed
- Causes skin irritation
- Causes serious eye irritation
- Suspected of damaging fertility
- May cause damage to organs through prolonged or repeated exposure by inhalation.
- Toxic to aquatic life

Prevention:

- Keep out of reach of children.
- Read label before use.
- Keep away from heat/sparks/open flames/hot surfaces. No smoking.
- Keep container tightly closed.
- Ground/bond container and receiving equipment.
- Use explosion-proof electrical/ventilating/lighting equipment.
- Use only non-sparking tools.
- Wear protective gloves and eye/face protection.
- Wash hands thoroughly after handling.
- Do not eat, drink or smoke when using this product.
- Do not breathe fume/gas/vapours/spray.
- Avoid release to the environment.
- Take precautionary measures against static discharge.

Section 3: Composition/Information on Ingredients

Name	% by Wt.	CAS Number
Toluene	< 60.0	108-88-3
Heptane	< 60.0	142-82-5
Carbon Dioxide (Propellant)	< 10.0	124-38-9

Section 4: First Aid Measures

Eyes:	Immediately flush eyes with plenty of water for 15 minutes. If irritation persists, seek medical attention.
Skin:	Wash exposed area with mild soap and water. Get medical attention if irritation develops or persists.
Ingestion:	Do not Induce Vomiting. Get immediate medical attention.
Inhalation:	Remove victim from area of exposure. If unconscious, give oxygen. Give artificial respiration if not breathing. Get immediate medical attention.

NOTES TO PHYSICIAN: 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 sympathomimetic drugs are administered, observe for the development of cardiac arrhythmias.

For Further Information Telephone (24 Hours)The National Poison Centre: 0800 Poison [764 766]

Section 5: Fire Fighting Measures

Flash Point:	-22° C
Auto ignition Temperature:	280° C
Flammable Limits in Air % by Volume:	LEL- 1.0%; UEL- 6.0%
Extinguishing Media:	Carbon Dioxide, Dry Powder or Foam
Fire Fighting Instructions:	<ul style="list-style-type: none">• Wear breathing apparatus plus protective gloves.• If safe, switch off electrical equipment until vapour fire hazard removed.• DO NOT approach containers suspected to be hot.• If safe to do so, remove containers from path of fire.
Unusual Fire and Explosion Hazards:	May be violently or explosively reactive

Section 6: Accidental Release Measures

Prevent, by any means available, spillage from entering drains or water course. Avoid breathing vapours and contact with skin and eyes. 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 & Storage: Protect from physical damage. Clean up all spills immediately to prevent secondary accidents.
Do not Store with DG classes of 2.1, 3.1 & 7
No smoking, naked lights, heat or ignition sources.
Store in a cool, dry, well ventilated area.

Section 8: Exposure Controls/Personal Protection

Engineering Controls: General (mechanical) room ventilation is considered satisfactory in enclosed spaces.
Eye / Face Protection: Safety Glasses/Full face masks
Body Protection: PVC-coated gloves. Avoid skin contact. If skin contact or contamination of clothing is likely, protective clothing should be worn.
Respiratory Protection:
Exposure Limits: Toluene –(TWA-ppm)-50

Section 9: Physical And Chemical Properties

Appearance	Aerosol Can 600gms
Physical state	Vaporised clear liquid
Specific Gravity	0.76
Vapour Pressure	Not available
Vapour Density	Not available
Solubility in water	Partly Miscible
% Volatiles	100
Evaporation Rate	Not available
Odour	Solvent

Section 10: Stability And Reactivity

Stability of the Substance: Stable under normal conditions
Conditions to avoid: Elevated temperatures.
Materials to avoid: Open flame, High heat
Hazardous Decomposition Products: Not available
Conditions Contributing to Hazardous Polymerization Will not occur

Section 11: Toxicological Information

Eyes:	SPECIES: Rabbit RESULT: Irritating
Skin:	SPECIES: Rabbit RESULT: Irritating
Ingestion:	SPECIES: Rat; ENDPOINT: LD50 VALUE: 636 mg/kg
Inhalation:	SPECIES: Rat; ENDPOINT: LC50 VALUE: 12.5 - 28.8 mg/l

Section 12: Ecological Information

9.1 D (fish)

SPECIES: Oncorhynchus mykiss; Rainbow trout,donaldson trout

TYPE OF EXPOSURE:

DURATION: 96 hr ; ENDPOINT: LC50 (Mortality); VALUE: 5.8 mg/l

9.1D (crustacean)

ACUTE

SPECIES: Daphnia magna (Crustacean)

TYPE OF EXPOSURE:

DURATION: 48 hr; ENDPOINT: EC50; VALUE: 11.5 mg/l

CHRONIC

SPECIES: Daphnia magna

TYPE OF EXPOSURE:

DURATION: 21 day; ENDPOINT: NOEC;VALUE: 1 mg/l

Section 13: Disposal Considerations

- Discharge contents of damaged aerosol cans at an approved site.
- Allow small quantities to evaporate.
- DO NOT incinerate or puncture aerosol cans.

Section 14: Transport Information



UN No: 1950
Proper Shipping Name: Aerosols
Dangerous Goods Class: 2.1
Subsidiary risk: None
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; 6.4A; 6.8B; 6.9B; 9.1B

Section 16: Other Information

New Zealand National Poison Information Centre (24 hours): 0800 POISON [764 766]
New Zealand Emergency Services(Police,Ambulance,Fire Services) : 111

For General Information: John Crombie, Manager, Marketing Chemicals Ltd,
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Fax : +64 (09) 634 3864

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End of Safety Data Sheet.