



SAFETY DATA SHEET

According to
HSNO Hazardous Substances (Safety Data Sheets) Notice 2017

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

Product: **Brake Kleen**
Product Use: Brake Parts Cleaner
Restriction of Use: Refer to Section 15

Company Details: **Marketing Chemicals Ltd**
Address: 2 Rymer Place, Mangere Bridge
Auckland, New Zealand

Telephone: +64 9 634 3862 [8.00 am to 4.30pm – Monday to Friday]
Fax: +64 9 634 3864

Emergency No: **+64 274 736008(24 hours)**
0800 764 766 (National Poison Centre)

Date of SDS Preparation: 6 September 2019

Section 2: Hazard Identification

This substance is hazardous according to the EPA Hazardous Substances (Classification) Notice 2017

EPA Approval No: **Cleaning Products (Flammable, Toxic[6.7]) – HSR002589**

Pictograms:



Flammable



Chronic



Ecotoxic

Signal Word: **DANGER**

HSNO Classes	Hazard Code	Hazard Statement	GHS Category
3.1B	H225	Highly flammable liquid and vapour.	Flam. Liq. 2
6.1E (asp)	H304	May be fatal if swallowed and enters airways.	Asp. Tox. 1
6.6B	H341	Suspected of causing genetic defects.	Muta. 2
6.7B	H351	Suspected of causing cancer.	Carc. 2
9.1B	H411	Toxic to aquatic life with long lasting effects.	Aquatic Chronic 2

Prevention Code	Prevention Statement
P102	Keep out of reach of children.
P103	Read label before use.
P201	Obtain special instructions before use.
P202	Do not handle until all safety precautions have been read and understood.
P210	Keep away from heat, sparks, open flames or hot surfaces. No smoking.
P233	Keep container tightly closed.
P240	Ground/bond container and receiving equipment.
P241	Use explosion-proof electrical/ventilating/lighting.
P242	Use only non-sparking tools.
P243	Take precautionary measures against static discharge.

Product Name: Brake Kleen
Date of SDS: 6 September 2019

Prepared by: Technical Compliance Consultants (NZ) Ltd
Tel: 64 9 475 5240 www.techcomp.co.nz

P273 Avoid release to the environment.
P280 Wear protective clothing as detailed in Section 8.
P281 Use personal protective equipment as required.

Response code Response Statement
P101 If medical advice is needed, have product container or label at hand.
P331 Do NOT induce vomiting.
P391 Collect spillage.
P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
P303 + P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
P308 + P313 IF exposed or concerned: Get medical advice/ attention.
P370 + P378 In case of fire: Use CO2, Dry Chemical or Foam, Water spray or Fog for extinction.

Storage Code Storage Statement
P405 Store locked up.
P403 + P235 Store in a well-ventilated place. Keep cool.

Disposal Code Disposal Statement
P501 Refer to Section 13.

Section 3: Composition/Information on Ingredients

Ingredients	Wt%	CAS NUMBER.
Petroleum Naptha Hydrotreated Light	>60	64742-49-0
Non hazardous	To bal	

Section 4: First Aid Measures

Routes of Exposure:

If in 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.

If on Skin Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. If skin irritation occurs: Get medical advice/ attention.

If Swallowed Rinse mouth. Do NOT induce vomiting. If vomiting occurs, lean patient forward or place on left side (head-down position, if possible) to maintain open airway and prevent aspiration. Observe the patient carefully. Never give liquid to a person showing signs of being sleepy or with reduced awareness; i.e. becoming unconscious. Avoid giving milk or oils. Avoid giving alcohol. If spontaneous vomiting appears imminent or occurs, hold patient's head down, lower than their hips to help avoid possible aspiration of vomitus.

If Inhaled If fumes or combustion products are inhaled, remove from contaminated area. Lay patient down. Keep warm and rested. Prostheses such as false teeth, which may block airway, should be removed, where possible, prior to initiating first aid procedures. Apply artificial respiration if not breathing, preferably with a demand valve resuscitator, bag-valve mask device, or pocket mask as trained. Perform CPR if necessary

Most important symptoms and effects, both acute and delayed

Symptoms:

Ingestion	May be fatal if swallowed and enters airways.
Inhalation	Not applicable.
Skin	Not applicable.

Eyes	Not applicable.
Chronic	Suspected of causing cancer. Suspected of causing genetic defects.
Notes to Physician	None known.

Section 5: Fire Fighting Measures

Hazard Type	Flammable Liquid or vapour
Flash Point	-22 ^o C
Auto Ignition Point	280 ^o C
Flammable Limits in Air % by Volume	1.0 to 6.0%
Hazards from combustion products	Carbon Dioxide & Water
Suitable Extinguishing media	CO2, Dry Chemical or Foam. Water spray or Fog (for large fires only)
Precautions for firefighters and special protective clothing	Full respiration equipment is advisable. Evacuate area. 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. Empty drums should be completely drained, properly bunged and promptly returned to a drum reconditioner, or properly disposed of. Extremely Flammable.
HAZCHEM CODE	3YE

Section 6: Accidental Release Measures

Land Spills or Leaks:

Wear protective clothing as detailed in Section 8. Remove all unnecessary personnel. Eliminate ignition sources. Contain spill with inert material & place in recovery containers for disposal. Avoid release to the environment.

Waste Disposal Method:

Dispose through Licensed Disposal Company

Section 7: Handling and Storage

PROCEDURE FOR HANDLING

- Keep out of reach of children.
- Read label before use.
- Obtain special instructions before use.
- Do not handle until all safety precautions have been read and understood.
- Keep away from heat, sparks, open flames and hot surfaces. No smoking.
- Keep container tightly closed.
- Ground/bond container and receiving equipment.
- Use explosion-proof electrical, ventilating, and lighting.
- Use only non-sparking tools.
- Take precautionary measures against static discharge.
- Avoid release to the environment.
- Wear protective clothing.
- Use personal protective equipment as required

STORAGE REQUIREMENTS

- Store in a well-ventilated place. Keep cool.
- Keep out of reach of children.
- Store locked up.

- Protect containers against physical damage and check regularly for leaks.
- Keep away from incompatible materials listed in Section 10.

Section 8: Exposure Controls / Personal Protection

WORKPLACE EXPOSURE STANDARDS (provided for guidance only)

Substance	TWA		STEL	
	ppm	mg/m ³	ppm	mg/m ³

No ingredients have exposure limits.

Workplace Exposure Standard – Time Weighted Average (WES-TWA). The time-weighted average exposure standard designed to protect the worker from the effects of long-term exposure. Workplace Exposure Standard – Short-Term Exposure Limit (WESSTEL). The 15-minute average exposure standard. Applies to any 15- Minute period in the working day and is designed to protect the worker against adverse effects of irritation, chronic or irreversible tissue change, or narcosis that may increase the likelihood of accidents. The WES-STEL is not an alternative to the WES-TWA; both the short-term and time-weighted average exposures apply. Workplace Exposure Standards and Biological Exposure Indices NOV 2017 9TH EDITION.

Personal Protection Equipment



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

Section 9: Physical and Chemical Properties

Appearance	Liquid
Colour	Water white
Odour	Solvent Odour
Odour Threshold	Not available
pH	Not applicable
Boiling Point	85 ⁰ C
Melting Point	Not available
Freezing Point	Not available
Flash Point	-22 ⁰ C (cup closed)
Flammability	Flammable
Upper and Lower Explosive Limits	1% to 6.0%
Vapour Pressure	<35
Vapour Density	4.8
Specific Gravity	0.70 g/cm ³ @ 25 ⁰ C
Solubility in Water	Insoluble
Partition Coefficient:	Not available
Auto-ignition Temperature	280 ⁰ C
Decomposition Temperature	Not available
Kinematic Viscosity	Not available
Particle Characteristics	Not applicable

Section 10: Stability and Reactivity

Stability of the Substance:	Stable under normal storage and use conditions.
Conditions to avoid:	Sources of heat or ignition.
Materials to avoid:	Strong oxidising agents
Hazardous Decomposition Products:	Carbon Dioxide & Water
Conditions Contributing to Hazardous Polymerization	Not known.

Section 11: Toxicological Information

Acute Effects:

Swallowed	Nausea, vomiting & sweating with burns to the mouth & oesophagus may occur. Unconsciousness may follow
Dermal	Not applicable.
Inhalation	Not applicable.
Eye	Not applicable.
Skin	Not applicable.

Chronic Effects:

Carcinogenicity	Suspected of causing cancer.
Reproductive Toxicity	Not applicable.
Germ Cell Mutagenicity	Suspected of causing genetic defects.
Aspiration	May be fatal if swallowed and enters airways.
STOT/SE	Not applicable.
STOT/RE	Not applicable.

Section 12: Ecotoxicological Information

HSNO Classes: 9.1B = Toxic to aquatic life with long lasting effects.

Environmental Precautions: Do not allow product to wash into waterways.

Product:	
Persistence and degradability	No data available
Bioaccumulation	No data available
Mobility in Soil	No data available
Other adverse effects	No data available

Section 13: Disposal Considerations

Disposal Method:

Recover and recycle product whenever possible. Dispose of waste in accordance with Regional Authority or local council bylaws.

Ensure empty containers are vented and dry. Residues may cause an explosion hazard. Do not puncture, cut or weld un-cleaned drums. Send clean dry drums to recycler or metal scrap re-claimer. Do not use empty drums for storing other products.

Precautions or methods to avoid: Do not allow to enter waterways.

Section 14: Transport Information



Road, Rail, Sea and Air Transport

UN No	1993
Class - Primary	3
Packing Group	II
Proper Shipping Name	FLAMMABLE LIQUID N.O.S.
Marine Pollutant	Yes
Special Provisions	If the product's individual container is below 1L, it can be transported as a non-DG as long as the product packaging is still labelled as per DG requirements and the driver is given safety information in accordance with Chapter 3.4 of the UNRTDG.
Hazchem Code	3YE

Section 15: Regulatory Information

This substance is classified hazardous according to the EPA Hazardous Substances (Classification) Notice 2017

EPA Approval Code: Cleaning Products (Flammable, Toxic[6.7]) Group Standard 2006 – HSR002589

HSNO Classification: 3.1B, 6.1E(asp), 6.6B, 6.7B, 9.1B

HSW (HS) Regulations 2017 and EPA Notices	Trigger Quantity
Certified Handler	Not required
Location Certificate	250L(>5L), 250L(<5L), 50L open
Tracking Trigger Quantities	Not required
Signage Trigger Quantities	250L (3.1B)
Emergency Response Plan	1000L (3.1B, 9.1B)
Secondary Containment	1000L (3.1B, 9.1B)
Restriction of Use	None known

Section 16: Other Information

Glossary

EC ₅₀	Median effective concentration.
EEL	Environmental Exposure Limit.
EPA	Environmental Protection Authority
HSNO	Hazardous Substances and New Organisms.
HSW	Health and Safety at Work.
LC ₅₀	Lethal concentration that will kill 50% of the test organisms inhaling or ingesting it.
LD ₅₀	Lethal dose to kill 50% of test animals/organisms.
LEL	Lower explosive level.
OSHA	American Occupational Safety and Health Administration.
TEL	Tolerable Exposure Limit.
TLV	Threshold Limit Value-an exposure limit set by responsible authority.
UEL	Upper Explosive Level
WES	Workplace Exposure Limit

References:

1. EPA Hazardous Substances (Safety Data Sheets) Notice 2017

2. Workplace Exposure Standards and Biological Exposure Indices Nov 2017 edition.
3. Assigning a hazardous substance to a HSNO Approval (Aug 2013).
4. Transport of Dangerous goods on land NZS 5433:2012
5. HSW (Hazardous Substances) Regulations 2017

Disclaimer

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.

For General Information : Marketing Chemicals Ltd,

Phone: +64 (09) 634 3862 / +64 (0)27 473 6008

Fax : +64 (09) 634 3864

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