

# SAFETY DATA SHEET- BRAKE KLEEN



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

<b>Product Name:</b>	BRAKE KLEEN
<b>Proper Shipping Name</b>	Flammable liquid, n.o.s.
<b>Recommended use:</b>	Brake Parts Cleaner
<b>Restriction of use:</b>	Refer to Section 15
<b>Company Details</b>	Marketing Chemicals Ltd
<b>Address:</b>	7 Rymer Place, Mangere Bridge Auckland. New Zealand
<b>Emergency Telephone:</b>	+64 274 340990(24 hours) National Poison Center(24 hours): 0800 POISON [ 764 766]
<b>Telephone:</b>	+64 9 634 3862 [8.00 am to 4.30pm – Monday to Friday]
<b>Fax:</b>	+64 9 634 3864
<b>Date of preparation</b>	29 August 2024 v2

## Section 2: Hazard Identification

This substance is hazardous according to the EPA Hazardous Substances (Classification) Notice 2020

**Pictograms:**



**EPA Approval Number:** Cleaning Products (Flammable) – HSR002528

**Signal Word:** DANGER

<b>GHS Category</b>	<b>Hazard Code</b>	<b>Hazard Statement</b>
Flammable Liquids Cat. 3 Aspiration hazard Cat. 1	H226 H304	Flammable liquid and vapour. May be fatal if swallowed and enters airways.
Skin irritation Cat. 2 Reproductive toxicity Cat. 2	H315 H361	Causes skin irritation. Suspected of damaging fertility or the unborn child.
specific target organ toxicity - single exposure Cat 3 - Narcotic Effects	H336	May cause drowsiness or dizziness.
Hazardous to the aquatic environment chronic Cat. 2	H411	Toxic to aquatic life with long lasting effects.

<b>Prevention Code</b>	<b>Prevention Statement</b>
P102	Keep out of reach of children.
P103	Read label before use.
P202	Do not handle until all safety precautions have been read and understood.
P210	Keep away from heat, sparks, open flames and hot surfaces. No smoking.
P233	Keep container tightly closed.
P240	Ground/bond container and receiving equipment.
P241	Use explosion-proof electrical, ventilating, and lighting.
P242	Use only non-sparking tools.
P243	Take precautionary measures against static discharge.
P261	Avoid breathing dust, fumes, gas, mist, vapours or spray.
P264	Wash hands thoroughly after handling.
P271	Use only outdoors or in a well-ventilated area.
P273	Avoid release to the environment.
P280	Wear protective clothing as detailed in SDS Section 8.

<b>Response code</b>	<b>Response Statement</b>
P101	If medical advice is needed, have product container or label at hand.
P312	Call a POISON CENTER or doctor/physician if you feel unwell.
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.
P304 + P340	IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing.
P308 + P313	IF exposed or concerned: Get medical advice/ attention.
P332 + P313	If skin irritation occurs: Get medical advice/ attention.
P362+P364	Take off contaminated clothing and wash before reuse.
P370 + P378	In case of a fire use CO2, Dry Chemical or Foam.

<b>Storage Code</b>	<b>Storage Statement</b>
P405	Store locked up.
P403 + P233	Store in a well-ventilated place. Keep container tightly closed.
P403 + P235	Store in a well-ventilated place. Keep cool.

### Section 3: Composition/Information on Ingredients

<b>Name</b>	<b>Concentration %</b>	<b>CAS Number</b>
Petroleum Naptha Hydrotreated Light	> 60	64742-49-0

Note: Manufacturer has provided full ingredient information for assessment.

### Section 4: First Aid Measures

<b>Eyes:</b>	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.
<b>Skin:</b>	Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. If skin irritation occurs: Get medical advice/attention.
<b>Ingestion:</b>	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.
<b>Inhalation:</b>	Remove from contaminated area. Get medical advice/attention if you feel unwell.

**Most important symptoms and effects, both acute and delayed**

Symptoms:

<b>Ingestion:</b>	Nausea, vomiting & sweating with burns to the mouth & oesophagus may occur. Unconsciousness may follow
<b>Inhalation:</b>	The vapour is discomforting to the upper respiratory tract and lungs and may be harmful if inhaled. Dizziness & shortness of breath occur from mild poisoning.
<b>Skin:</b>	Possible irritation on sensitive skin
<b>Eye:</b>	Irritation

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

### Section 5: Fire Fighting Measures

<b>Hazard Type</b>	Flammable Liquid
<b>Hazards from products</b>	Oxides of Carbon when burned.
<b>Suitable Extinguishing media</b>	CO <sub>2</sub> , Dry Chemical or Foam. Water spray or Fog (for large fires only)
<b>Precautions for firefighters and special protective clothing</b>	Full respiration equipment is advisable. Evacuate area.
<b>HAZCHEM CODE</b>	3Y

### Section 6: Accidental Release Measures

<b>Land Spills or Leaks:</b>	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.
<b>Waste Disposal Method:</b>	Dispose through Licensed Disposal Company

## Section 7: Handling And Storage

### Handling

- Keep out of reach of children.
- Read label 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:

- 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.

## Section 8: Exposure Controls/Personal Protection

### WORKPLACE EXPOSURE STANDARDS (provided for guidance only)

Substance	TWA		STEL	
	ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>

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 (WES-STEL). 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 2023 14TH 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

<b>Appearance</b>	Liquid
<b>Colour</b>	Water white
<b>Odour</b>	Solvent Odour
<b>Odour Threshold</b>	Not available
<b>pH</b>	Not applicable
<b>Boiling Point</b>	85°C
<b>Melting Point</b>	Not available
<b>Freezing Point</b>	Not available
<b>Flash Point</b>	-22°C (cup closed)
<b>Flammability</b>	Flammable
<b>Upper and Lower Explosive Limits</b>	1% to 6.0%
<b>Vapour Pressure</b>	<35
<b>Vapour Density</b>	4.8
<b>Specific Gravity</b>	0.70 g/cm <sup>3</sup> @ 25°C
<b>Solubility in Water</b>	Insoluble
<b>Partition Coefficient:</b>	Not available
<b>Auto-ignition Temperature</b>	280°C
<b>Decomposition Temperature</b>	Not available
<b>Kinematic Viscosity</b>	Not available
<b>Particle Characteristics</b>	Not applicable
<b>Volatiles</b>	100%

## Section 10: Stability And Reactivity

**Conditions Contributing to Instability:** Not available.  
**Incompatibility:** Sources of heat &/or ignition, Oxidising agents.  
**Hazardous Decomposition Products:** Carbon Dioxide & Water  
**Conditions Contributing to Hazardous Polymerization** Will not polymerise

## Section 11: Toxicological Information

### Acute Effects:

<b>Swallowed</b>	This product is not classified as acutely toxic.
<b>Dermal</b>	This product is not classified as acutely toxic.
<b>Inhalation</b>	This product is not classified as acutely toxic.
<b>Eye</b>	This product is not classified an eye irritant/corrosive.
<b>Skin</b>	Causes skin irritation.

### Chronic Effects:

<b>Carcinogenicity</b>	This product is not classified as carcinogenic.
<b>Reproductive Toxicity</b>	Suspected of damaging fertility or the unborn child.
<b>Germ Cell Mutagenicity</b>	This product is not classified as mutagenic.
<b>Aspiration</b>	May be fatal if swallowed and enters airways.
<b>STOT/SE</b>	May cause drowsiness or dizziness.
<b>STOT/RE</b>	This product is not classified as STOT RE.

## Section 12: Ecological Information

### Toxic to aquatic life with long lasting effects

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

<b>Persistence and degradability</b>	No data available
<b>Bioaccumulation</b>	No data available
<b>Mobility in Soil</b>	No data available
<b>Other adverse effects</b>	No data available

## Section 13: Disposal Considerations

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.

## Section 14: Transport Information

This product is classified as a Dangerous Good for transport in NZ ; NZS 5433:2020 and SNZ HB 5433:2021



### Road, Rail, Sea and Air Transport

<b>UN No</b>	1993
<b>Class - Primary</b>	3
<b>Packing Group</b>	II
<b>Proper Shipping Name</b>	FLAMMABLE LIQUID, N.O.S.
<b>Marine Pollutant</b>	Yes
<b>Special Provisions</b>	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.

## Section 15: Regulatory Information

This substance is classified hazardous according to the EPA Hazardous Substances (Classification) Notice 2020

EPA Approval Code: Cleaning Products (Flammable) - HSR0002528

<b>HSW (HS) Regulations 2017 and EPA Notices</b>	<b>Trigger Quantity</b>
Certified Handler	Not required
Location Certificate	100L (>5L), 250L (<5L), 50L open
Tracking Trigger Quantities	Not required
Signage Trigger Quantities	250L
Emergency Response Plan	1000L
Secondary Containment	1000L
Fire Extinguishers	2 x >250L
Restriction of Use	None

## Section 16: Other Information

### Glossary

EC <sub>50</sub>	Median effective concentration.
EEL	Environmental Exposure Limit.
EPA	Environmental Protection Authority
HSNO	Hazardous Substances and New Organisms.
HSW	Health and Safety at Work.
LC <sub>50</sub>	Lethal concentration that will kill 50% of the test organisms inhaling or ingesting it.
LD <sub>50</sub>	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 2023 14<sup>th</sup> edition.
3. Assigning a hazardous substance to a HSNO Approval (Aug 2013).
4. Transport of Dangerous goods on land NZS 5433:2020
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.

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End of Safety Data Sheet.