

BRAKE SURFACE AND PARTS CLEANER BULK

SECTION 1 – IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name:	Brake Surface and Parts Cleaner
Product Use:	Brake and Surface Solvent Cleaner
Supplier:	Vertex Lubricants 22 Marphona Crescent Takanini 2105 Phone: 09/640 0004 Email: info@vertexlubricants.co.nz
Emergency Number:	0800 353 645
National Poisons Centre:	0800 764 766
Chemical Nature:	Naphtha (petroleum), hydrotreated light, 2-Propanol, Other ingredients (not hazardous)
Issue Date:	23 February 2024 and is valid for 5 years from this date.

SECTION 2 – HAZARDS IDENTIFICATION

Classification of the Product:

- Considered as a hazardous substance according to the Hazardous Substances (Minimum Degrees of Hazard) Regulations NZ.
- Classified as dangerous goods for transport purposes.

HSNO Classifications (GHS Classifications):

- 3.1B Flammable Liquids: High hazard (Category 2)
- 6.1E (Asp) Acutely Toxic (Aspiration): Category 1
- 6.3A Irritating to the Skin: Category 2
- 6.9B (Narc) Harmful to Human Target Organs or Systems (Single Exposure): Category 3
- 9.1B Ecotoxic in the Aquatic Environment with Long Lasting Effects: Category 2



Signal Words: Danger

Hazard Statements:

- H225 Highly flammable liquid and vapor.
- H304 May be fatal if swallowed and enters airways.
- H315 Causes skin irritation.
- H336 May cause drowsiness or dizziness (narcotic).
- H411 Toxic to aquatic life with long-lasting effects.

SECTION 3 – COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous Ingredients:

- Naphtha (petroleum), hydrotreated light (CAS No. 64742-49-0): > 60%
- 2-Propanol (CAS No. 67-63-0): < 10%
- Other ingredients determined to not be hazardous: to 100%

SECTION 4 – FIRST AID MEASURES

- In case of exposure or feeling unwell, call a POISON CENTRE (0800 764 766) or doctor.
- For ingestion: Do NOT induce vomiting. Call a POISON CENTRE or doctor immediately.
- For skin contact: Remove contaminated clothing. Wash with soap and water. If irritation occurs, seek medical advice.
- For eye contact: Rinse cautiously with water for several minutes. Remove contact lenses if present and continue rinsing. If irritation persists, seek medical advice.
- For inhalation: If breathing is difficult, remove to fresh air and rest in a comfortable position. If symptoms persist, seek medical advice.

SECTION 5 – FIRE FIGHTING MEASURES

- Specific hazards: Containers can build up pressure when exposed to heat/fire and may burst. Vapors may form an explosive mixture with air.
- Further advice: On burning, may emit toxic fumes including carbon monoxide and dioxide. Firefighters should wear self-contained breathing apparatus. Use water spray to keep fire-exposed containers cool.
- Extinguishing media: For small fires, use dry chemical, carbon dioxide, water spray, or alcohol-resistant foam. For large fires, use water spray, fog, or foam. Do not discharge extinguishing waters into the aquatic environment.

Hazchem Code: 3YE

SECTION 6 – ACCIDENTAL RELEASE MEASURES

- Minor spills: Clean up immediately. Remove ignition sources. Damaged containers should be placed outdoors away from ignition sources.
- Major spills: Evacuate area. Call Fire Brigade. Prevent spillage from entering drains. Use absorbents. Dispose properly.

SECTION 7 – HANDLING AND STORAGE

- Handling precautions: Keep away from heat and open flames/hot surfaces. Use in well-ventilated areas. Avoid breathing vapors. Wash hands after handling.
- Storage: Store in a cool, dry place away from heat, sparks, and flame. Keep container tightly closed. Store locked up.

SECTION 8 – EXPOSURE CONTROLS AND PERSONAL PROTECTION

- Engineering controls: Use with adequate ventilation. Use non-sparking tools. Take precautions against static discharge.

- Protective equipment: In industrial environments, wear gloves, safety glasses, or chemical goggles. Wash contaminated clothing. Inadequate ventilation may require respiratory protection.

Exposure Limits:

- No assigned value for product. Exposure standards for constituents apply (NZ WES).

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

- Physical state: Clear colorless liquid.
- pH: Not applicable.
- Vapour Density: > 1 (Air =1)
- Vapour Pressure, kPa: About 9
- Boiling Point, °C: 80 - 110
- Melting Point, °C: Not applicable.
- Specific Gravity: About 0.72
- Flash Point, °C: -15
- Explosion Limit, % v/v: LEL 1% UEL 7%
- Autoignition Temp, °C: > 200
- Solubility: Not soluble in water.

SECTION 10 – STABILITY AND REACTIVITY

- Stability: Stable under normal conditions. Avoid oxidizers and elevated temperatures.

SECTION 11 – TOXOLOGICAL INFORMATION

- Basis for Assessment: Information given is based on product testing, and/or similar products, and/or components.
- Acute Oral Toxicity: Low toxicity: LD50 mixture calculated to be 1,500 mg/kg, Rat. May be harmful if swallowed.
- Acute Dermal Toxicity: Low toxicity: LD50 of mixture calculated to be > 2000 mg/kg, Rabbit. Low toxicity
- Acute Inhalation Toxicity: Narcotic - may cause drowsiness or dizziness. High concentrations may cause central nervous system depression resulting in headaches, dizziness and nausea.
- Skin Irritation: May cause mild skin irritation. Prolonged/repeated contact may cause defatting of the skin which can lead to dermatitis.
- Eye Irritation: May be irritating to the eye. Contact with eyes is mildly irritating causing short term discomfort.
- Respiratory Irritation: Inhalation of vapour may cause irritation to the nose and throat. The inhalation of large quantities will result in moderate discomfort. Symptoms of over-exposure can include dizziness, nausea, headaches and other central nervous system effects.
- Sensitisation: Not a sensitiser.
- Repeated Dose Toxicity: Central nervous system: repeated exposure may affect the nervous system. Prolonged contact with product may result in irritant contact dermatitis.
- Additional Information: None of the components present in this material at concentrations equal to or greater than 0.1% are listed by IARC, NTP, OSHA or ACGIH as being carcinogens.

SECTION 12 – ECOTOXICITY INFORMATION

- Ecotoxicity: Product is harmful to aquatic organisms with long lasting effects. Experimental data on the finished product is not available.
- Mobility: Floats on water. Volatile. Some components show low soil mobility.
- Persistence/degradability: Some components may be persistent.
- Bioaccumulation: Has the potential to bioaccumulate.

SECTION 13 – DISPOSAL CONSIDERATION

- Material Disposal: Product wastes are ecotoxic and should be disposed of in accordance with applicable regulations. Do not dispose into the environment, in drains or in water courses. Waste products should not be allowed to contaminate soil or water. Large quantities should be handled by a suitable disposal facility. Incineration in an authorised facility is suggested.
- Container Disposal: Recycle empty containers in an approved recycling stream. Product containers are considered wastes of the same class as the contents and should be disposed of in accordance with applicable regulations.

SECTION 14 – TRANSPORT INFORMATION

- Transport: Classified as a Dangerous Good for transport purposes.
- Proper Shipping Name: FLAMMABLE LIQUID, N.O.S.
- UN Number: 1993
- Dangerous Goods Class: 3
- Transport Labels Required: Class 3 Flammable



- Subsidiary Risk: Not applicable
- Packing Group: II
- Marine Pollutant: Yes
- EMS Number F-E, S-D
- DG Segregation: This product is classified as a Dangerous Goods. Please consult the Land Transport Rule: Dangerous Goods 2005, and NZS 5433:2012 Transport of Dangerous Goods on Land for information.

SECTION 15 – REGULATORY INFORMATION

Inventory Listing

- All components of this product are listed on the New Zealand Inventory of Chemicals (NZIoC) and Australian NICNAS AICS. This substance is to be managed using the conditions specified in an applicable Group Standard.

EPA Approval Number

- HSR002650 Solvent (Flammable) Group Standard 2020

EPA HSNO Controls:

- Refer to www.epa.govt.nz for information on Controls.

Location Test Certificate:

- > 250 L in closed containers up to 5 L.
- > 100 L in closed containers greater than 5 L.

Approved Handler:

- > 500 L in closed containers up to 5 L.
- > 250 L in closed containers greater than 5 L.

Tracking: Not required

EPA Hsno Controls: Refer to www.epa.govt.nz for information on Controls.

Location Test Certificate: > 250 L in closed containers up to 5 L.

> 100 L in closed containers greater than 5 L.

Approved Handler: > 500 L in closed containers up to 5 L.

> 250 L in closed containers greater than 5 L.

Tracking: Not required

SECTION 16 – ANY OTHER RELEVANT INFORMATION

Additional Information:

Health Effects from Exposure: It should be noted that the effects from exposure to this product will depend on several factors including: frequency and duration of use; quantity used; effectiveness of control measures; protective equipment used and method of application. Given that it is impractical to prepare a report which would encompass all possible scenarios, it is anticipated that users will assess the risks and apply control methods where appropriate.

Abbreviations		
AICS	Australian Inventory of Chemical Substances	
ADG	Australian Code for the Transport of Dangerous Goods by Road and Rail	
CAS	Chemical Abstract Service number	
EMS	Emergency Response Procedures for Ships Carrying Dangerous Goods	
EPA	Environmental Protection Agency (New Zealand)	
GHS	Globally Harmonized System	
IARC	International Agency for Research on Cancer	
IATA	International Air Transport Association	
IMDG	International Maritime Dangerous Goods	
LC ₅₀	Lethal Concentration, 50% / Median Lethal Concentration	
LD ₅₀	Lethal Dose, 50% / Median Lethal Dose	
LEL	Lower Explosion Limit	
mg/m ³	Milligrams per Cubic Metre	
NICNAS	National Industrial Chemicals Notification and Assessment Scheme (Australia)	
NZIoC	New Zealand Inventory of Chemicals	

N.O.S.	Not otherwise specified
OEL	Occupational Exposure Limit
PEL	Permissible Exposure Limit
STEL	Short-Term Exposure Limit
STOT-RE	Specific target organ toxicity (repeated exposure)
STOT-SE	Specific target organ toxicity (single exposure)
TLV	Threshold Limit Value
TWA	Time Weighted Average
UEL	Upper Explosion Limit

Date of preparation of MSDS

23 February 2024

MSDS SUMMARISES OUR BEST KNOWLEDGE OF THE HEALTH AND SAFETY HAZARD INFORMATION OF THE PRODUCT AND HOW TO SAFELY HANDLE AND USE THE PRODUCT IN THE WORKPLACE. EACH USER MUST REVIEW THIS MSDS IN THE CONTEXT OF HOW THE PRODUCT WILL BE HANDLED AND USED IN THE WORKPLACE.

IF CLARIFICATION OR FURTHER INFORMATION IS NEEDED TO ENSURE THAT AN APPROPRIATE RISK ASSESSMENT CAN BE MADE, THE USER SHOULD CONTACT THIS COMPANY SO WE CAN ATTEMPT TO OBTAIN ADDITIONAL INFORMATION FROM OUR SUPPLIERS. OUR RESPONSIBILITY FOR PRODUCTS SOLD IS SUBJECT TO OUR STANDARD TERMS AND CONDITIONS, A COPY OF WHICH IS SENT TO OUR CUSTOMERS AND IS ALSO AVAILABLE ON REQUEST.

Please read all labels carefully before using the product.