

SAFETY DATA SHEET

compiled according to Safe Work Australia and the GHS

Revision Date: 21-Jun-16


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1. IDENTIFICATION

Product Identifier	BRAKE PARTS CLEANER
Product Code	1415
Other Means of Identification	Hydrocarbon Solvent
Recommended Use of the Chemical and Restriction on Use	Automotive Applications, Brake Parts Cleaner, Cleaner
Details of Manufacturer or Importer	Lidomont Pty. Ltd., trading as Prolube Lubricants 15 Pinnacle Street, Brendale, Queensland, 4500
Phone	07 3881 1733 (+61 7 38811733 – International)
Emergency Telephone	000 (Australia Only)
Poisons Information Centre Phone	13 11 26

2. HAZARDS IDENTIFICATION

Physical Hazard(s)	Classified as Hazardous according to Globally Harmonised System of Classification and Labelling of Chemicals (GHS) and Safe Work Australia criteria. Classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail. (7th edition)
Health Hazard(s)	Skin Irritation Category 2 Carcinogenicity Category 1B Germ Cell Mutagenicity Category 1B Aspiration Hazard Category 1 Flammable Liquid Category 2 Specific target organ toxicity (single exposure) Category 3
Environment Hazard(s)	Hazardous to aquatic environment Chronic Category 2
GHS Label Elements	
Signal Word	DANGER

Hazard Statement(s)

- H225** Highly flammable liquid and vapour.
- H304** May be fatal if swallowed and enters airways.
- H315** Causes skin irritation.
- H336** May cause drowsiness and dizziness.
- H340** May cause genetic defects
- H350** May cause cancer
- H411** Harmful to aquatic life with long lasting effects.

Precautionary Statement(s): General

- P101** If medical advice is needed, have product container or label at hand
- P102** Keep out of reach of children
- P103** Read label before use



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Precautionary Statement(s): Prevention

- 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/hot surfaces. No Smoking.
- P233** Keep container tightly closed
- P240** Ground/Bond container and receiving equipment.
- P241** Use explosion-proof electrical/ventilation/lighting equipment.
- P242** Use only non-sparking tools.
- P243** Take precautionary measures against static discharge.
- P261** Avoid breathing dust/fume/gas/mist/vapour/spray.
- P264** Wash thoroughly after handling.
- P271** Use only outdoors or in a well ventilated area.
- P280** Wear protective gloves/eye protection/face protection.

Precautionary Statement(s): Response

- P302+352** If ON SKIN: Wash with plenty of soap and water
- 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 victim to fresh air and keep at rest in a position comfortable for breathing.
- P312** Call a Poison Centre or doctor/physician if you feel unwell.
- P332+P313** If skin irritation occurs: Get medical advice/attention.
- P362** Take off contaminated clothing and wash before reuse.
- P370+P378** In case of fire use CO₂, dry chemical or foam for extinction.
- P301+P310** If SWALLOWED: Immediately call a Poison Centre or doctor/physician.
- P331** Do NOT induce vomiting

Precautionary Statement(s): Storage

- P403+P235+P233** Store in a well-ventilated place. Keep cool. Keep container tightly closed.
- P405** Store locked up.

Precautionary Statement(s): Disposal

- P501** Dispose of contents/container as hazardous waste in accordance with local regulations.

3. COMPOSITION AND INFORMATION ON INGREDIENTS

Component	CAS Number	Concentration
Solvent Naptha	64742-89-8	0-10%
Isohexane	107-83-5	30-60%
Other ingredients classified as non-hazardous at the concentrations used according to the criteria of Safework Australia.		to 100%

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4. FIRST AID MEASURES

For advice, contact a Poisons Information Centre (Phone eg. Australia 131 126; New Zealand 0 800 764766) or a doctor.

Inhalation

Remove victim from area of exposure - avoid becoming a casualty. Remove contaminated clothing and loosen remaining clothing. Allow patient to assume most comfortable position and keep warm. Keep at rest until fully recovered. If rapid recovery does not occur, transport to nearest medical facility for additional treatment.

Skin contact

If skin or hair contact occurs, remove any contaminated clothing and wash skin and hair thoroughly with running water. If irritation occurs seek medical assistance.

Eye contact

If in eyes, wash out immediately with water. In all cases of eye contamination it is a sensible precaution to seek medical advice.

Ingestion

Do not induce vomiting. Rinse mouth with water. Do not give anything to an unconscious person. Seek medical assistance as soon as possible.

Advice to Doctor

Treat symptomatically.

5. FIRE FIGHTING MEASURES

Suitable extinguishing equipment

Water spray, foam, dry agent (carbon dioxide, dry chemical powder) – Do not use water in a jet.

Specific hazards arising from the chemical

On burning will emit toxic fumes, oxides of carbon and smoke. Vapour is heavier than air and may ignite at distance.

Special protective equipment and precautions for firefighters

Keep containers cool with water spray. Fire fighters should wear self-contained breathing apparatus and suitable protective clothing.

Hazchem code 3YE.

Flash Point < 0°C

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Shut off all possible sources of ignition, increase ventilation.

Wear protective equipment to prevent skin and eye contact. Avoid breathing in vapours.

Evacuate unprotected personnel from the danger area.

Remove all sources of ignition in the surrounding area. Take precautionary measure against static discharge. Ensure electrical continuity by bonding and earthing all equipment.

Use spark free implements.

Environmental precautions

In the event of a major spill, prevent spillage from entering drains or water courses. If contamination of sewers or waterways has occurred advise local emergency services.

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Methods and materials for Containment and cleaning up

Stop leak if safe to do so and absorb spill with sand, earth, vermiculite or some other absorbent material.

Collect the spilled material and place into a suitable container for disposal.

Allow any residues to evaporate.

7. HANDLING AND STORAGE

Precautions for safe handling

Highly flammable product. Use appropriate personal protective equipment – see Section 8. Use safe work processes to avoid eye or skin contact and inhalation of vapours. Use only in well ventilated areas.

Electrostatic charges may be generated during transfer. Electrostatic discharge may cause fire. Ensure electrical continuity by earthing all equipment.

Do not store in contact with food, beverages or tobacco products. Eating drinking or smoking in areas where this product is stored or processed should be prohibited. Always wash thoroughly after handling. Wash contaminated clothing and other protective equipment before storage or reuse. Provide eyewash fountains and safety showers in close proximity to points of use.

Conditions for safe storage

Store in accordance with local regulations in a cool, dry and well ventilated area. Store in original container tightly closed and away from incompatible materials (see Section 10). Check regularly for leaks and physical damage. Opened containers should be carefully resealed and stored in an upright position. Empty containers may contain residues and be dangerous. Store and use only in equipment designed for use with this type of product. Use appropriate bunding or containment to prevent environmental contamination.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Exposure control measures

From National Occupational Health & Safety Commission (NOHSC) Worksafe Australia -
n-Hexane: 72mg/m³ (20ppm) TWA (8hr) (Technical Hexane 300mg/m³ TWA (8hr))

Engineering controls

Engineering controls should be in place as a primary source of protection over the use of Personal Protective Equipment. Ensure adequate ventilation of the working area or provide exhaust ventilation to keep the relevant airborne concentrations below acceptable levels.

Individual protection measures

Personal protective equipment selections vary based on potential exposure conditions such as applications, handling practices, concentration and ventilation. Information on the selection of protective equipment for use with this material, as provided below, is based upon intended, normal usage.

Eye and face protection: Safety glasses with side shields, goggles or face shields are recommended.

Skin protection: Any specific glove information provided is based on published literature and glove manufacturer data. Glove suitability and breakthrough time will differ depending on the specific use conditions. Contact the glove manufacturer for specific advice on glove selection and breakthrough times for your use conditions. Inspect and replace worn or damaged gloves. The types of gloves to be considered for this material include chemical resistant, nitrile or viton. Long sleeve and long pants will provide protection.

Respiratory protection: If engineering controls do not maintain airborne contaminant concentrations at a level which is adequate to protect worker health, an approved respirator may be appropriate. Respirator selection, use, and maintenance must be in accordance with regulatory requirements, if applicable. An organic vapour/particulate respirator meeting the requirements of AS/NZS 1715 and AS/NZS 1716 should be used for this material.

Specific Hygiene Measures: Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove

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contaminants. Discard contaminated clothing and footwear that cannot be cleaned. Practise good housekeeping.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Form	Liquid
Colour	Clear, colourless
Odour	Hydrocarbon solvent, sweet paraffinic
Odour Threshold	Not determined
pH-Value	Not determined
Melting point/Melting range	Typical -95°C
Initial Boiling Point/Boiling Range	55-62 °C
Flash Point	-26 °C (Abel)
Flammability	Highly flammable
Upper/lower flammability or explosive limits (%)	2.0 / 10.5
Auto-ignition Temperature	>200 °C
Decomposition Temperature	No information available
Relative Density at 15 °C	0.67 – 0.69
Vapour Density	>1
Evaporation Rate	Not applicable
Solubility in Water	< 1%

10. STABILITY AND REACTIVITY

Reactivity: Reacts with strong oxidising agents.

Chemical stability: Stable at ambient temperature and under normal conditions of use. Volatile at room temperature.

Possibility of hazardous reactions: Hazardous polymerization will not occur.

Conditions to avoid: Excessive heat. Open flames. All sources of ignition. Direct sunlight.

Incompatible materials: Strong oxidisers.

Hazardous decomposition products: Thermal decomposition is highly dependent on conditions. A complex mixture of airborne solids, liquids, gases, including carbon monoxide, carbon dioxide and other organic compounds will be evolved when this material undergoes combustion or thermal or oxidative degradation.

11. TOXICOLOGICAL INFORMATION

Acute Toxicity: LD50/LC50 values relevant	
Oral LD 50	Expected to be of low toxicity - LD50 Oral (rat) > 2000mg/kg
Dermal LD50	Not available
Inhalation LC50	Not available
Acute Health Effects	
Inhalation	Material may be irritant to the mucous membranes of the respiratory tract (airways). Breathing in vapour can result in headaches, dizziness, drowsiness, decreased blood pressure, changes in heart rate and cyanosis may result from over exposure to vapour. Prolonged inhalation may be harmful.
Skin	Contact with skin will result in irritation. May be a skin sensitiser. Repeated



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	or prolonged skin contact may lead to allergic contact dermatitis.
Eye	Expected to be non-irritating to eyes.
Ingestion	May be harmful or fatal if swallowed. May cause severe and permanent damage to mouth, throat and stomach.
Skin Corrosion / Irritation	Based on classification principles, the classification criteria are not met
Serious Eye Damage / Irritation	Based on classification principles, the classification criteria are not met
Respiratory or Skin Sensitisation	Based on classification principles, the classification criteria are not met
Germ Cell Mutagenicity	Based on classification principles, the classification criteria are not met
Carcinogenicity	Based on classification principles, the classification criteria are not met
Reproductive Toxicity	Causes foetal toxicity in animals at doses which are maternally toxic. Affects reproductive system in animals at doses which produces other toxic effects (n-Hexane).
Specific Target Organ Toxicity (STOT) -	
Single Exposure	High concentrations may cause central nervous system depression.
Repeated Exposure	Central nervous system: repeated exposure affects the nervous system.
Aspiration Hazard	Aspiration into the lungs when swallowed or vomited may cause chemical pneumonitis which can be fatal.
Chronic Health Effects	Repeated or prolonged skin contact may cause dryness, de-fatting of skin and dermatitis.
Existing Conditions Aggravated by Exposure	No information available

12. ECOLOGICAL INFORMATION

Ecotoxicity:

Avoid contaminating waterways. May be harmful to aquatic organisms. May cause long term effects in the aquatic environment.

Persistence and degradability:

Readily biodegradable. Oxidises by photo-chemical reactions in air.

Bioaccumulative Potential:

Limited potential for bioaccumulation.

Mobility in soil:

Floats on water and absorbs into soil.

13. DISPOSAL CONSIDERATIONS

Disposal method and Containers

Dispose according to applicable local and state government regulations.

Empty containers may contain residue and can be dangerous. Packaging should be recycled and disposal via incineration or landfill should only be considered when recycling not possible. 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.

Special precautions for incineration or landfill

Consult your state Land Waste Management Authority for more information.

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14. TRANSPORT INFORMATION

	Australian Dangerous Goods (ADG)	International Maritime Dangerous Goods (IMDG)	International Air Transport Association (IATA)
UN Number	1993	1993	1993
UN Proper Shipping Name	Flammable Liquid, N.O.S contains isohexanes	Flammable Liquid, N.O.S contains isohexanes	Flammable Liquid, N.O.S contains isohexanes
Dangerous Goods Class	3	3	3
Packing Group	II	II	II
Hazchem Code	.3YE		

Special precautions for user

None Available

15. REGULATORY INFORMATION

Standard for the Uniform Scheduling of Drugs and Poisons (SUSMP) – Poison Schedule

S5

Australian Inventory of Chemical Substances (AICS)

All components are listed or exempt

Classified as hazardous according to criteria of NOHSC

Harmful, Irritant, Highly Flammable

16. OTHER INFORMATION

Creation Date 21-Jun-2016

Prepared by Lidomont Pty Ltd, 15 Pinnacle St Brendale QLD

Revision information

Date and Changes: none

Abbreviations Used

GHS, Globally Harmonised System of Classification and labelling of Chemicals

CAS, Chemical Abstracts Service (Division of American Chemical Society)

LC50, Lethal concentration 50%

LD50, Lethal dose 50%

STEL, Short Term Exposure Limit

TWA, Time Weighted Average

UN, United Nations

n/a, not available

Disclaimer

This SDS is prepared in accord with the Safe Work Australia document "Code of practice for the Preparation of



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