



Hi-Tec Oil Traders Pty Ltd ABN 28 053 837 362

5 Tarlington Place Smithfield NSW 2164

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SAFETY DATA SHEET

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Issue Date: 11 March 2020

LHM Plus Brake Fluid

Version: 2

Product name: LHM Plus Brake Fluid

1. COMPANY DETAILS AND PRODUCT IDENTIFICATION

COMPANY: Hi-Tec Oil Traders Pty Ltd. (ABN 28 053 837 362)

ADDRESS: PO Box 322 Castle Hill NSW 1765
5 Tarlington Place, Smithfield NSW 2164

TELEPHONE NUMBER: 1300 796 009

FAX NUMBER: (02) 9604 1611

EMERGENCY TELEPHONE NUMBER: 1300 796 009

PRODUCT NAME: LHM Plus Brake Fluid

OTHER NAMES: None

MANUFACTURER'S PRODUCT CODE: HI8-3141

USE: Suspension and hydraulic fluid in automotive central hydraulic systems.

ADDITIONAL INFORMATION: Refer to Product Information Sheet for additional information.

OTHER INFORMATION: Visit our website: www.hi-tecoils.com.au
Email: hitecoils@hi-tecoils.com.au

2. HAZARDS IDENTIFICATION

STATEMENT OF HAZARDOUS NATURE: HAZARDOUS SUBSTANCE
NON-DANGEROUS GOODS
Hazard classification according to criteria of NOHSC and GHS.
Dangerous Goods classification according to the Australian Dangerous Goods.

POISON SCHEDULE: Not Scheduled.

GHS LABEL ELEMENTS:



SIGNAL WORD: DANGER



AUSTRALIAN FAMILY OWNED SINCE 1989





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2. HAZARDS IDENTIFICATION (CONT)

GHS HAZARD CLASSIFICATIONS

ASPIRATION HAZARD:	Category 1
HAZARD STATEMENT:	H304: May be fatal if swallowed and enters airways.
PREVENTION STATEMENTS:	P301 + 310: If swallowed, immediately call the Poisons Information Centre on 13 11 26 or doctor/physician and have container or label at hand. P331: Do NOT induce vomiting. P405: Store locked up. P501: Dispose of container to a licensed waste oil disposal site.

3. COMPOSITION/INFORMATION ON INGREDIENTS

GENERAL DESCRIPTION:	Blend of highly refined mineral oils, anti-wear/lubricity additives, and viscosity index improver.	
CHEMICAL CHARACTERISTICS:	Liquid	
CHEMICAL ENTITY	CAS NO	PROPORTION
Lubricating oils (petroleum) C15-30 hydrotreated neutral oil-based	72623-86-0	>60 - 100%
Hydrocarbons, C13-C16, n-alkanes, isoalkanes, cyclics, <0.3% aromatics	Unspecified	>10 - <30%
Lubricating oils (petroleum) C20-50, hydrotreated neutral oil-based	72623-87-1	>3 - <5%
OTHER INFORMATION:	The petroleum oils in this product contain less than 3% DMSO extract as measured by IP 346 test method.	

4. FIRST AID MEASURES

GENERAL INFORMATION:	You should call the POISONS INFORMATION CENTRE on 13 11 26 from anywhere in Australia (0800 764 766 in New Zealand) if you feel that you may have been poisoned, burned or irritated by this product.
INHALATION:	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Apply resuscitation if victim is not breathing. Administer oxygen if breathing is difficult. Call a Poison Information Centre or doctor/physicisn if experiencing respiratory symptoms, or if you feel unwell.



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4. FIRST AID MEASURES (CONT.)

SKIN CONTACT:	Remove contaminated clothing and shoes promptly. Flush skin with running water for several minutes. Wash with plenty of soap and water. If skin irritation or rash occurs seek medical attention. Wash contaminated clothing and shoes before reuse
EYE CONTACT:	Promptly flush eyes with running water for several minutes, holding eyelids open and occasionally lifting the upper and lower lids. Remove contact lenses if present and easy to do. Continue rinsing for at least 15 minutes. If eye irritation persists seek medical attention.
INGESTION:	Immediately call a Poison Information Centre or doctor/physician. DO NOT induce vomiting – Entry into the lungs following ingestion or vomiting may cause chemical pneumonitis.
ADVICE TO PHYSICIAN:	Treat symptomatically.
MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:	Contains (4-nonylphenoxy) acetic acid. May produce an allergic reaction.

5. FIRE FIGHTING MEASURES

GENERAL MEASURES:	If safe to do so, move undamaged containers from the fire area. Cool containers with water spray until well after fire is out. Avoid getting water inside containers.
FLAMMABILITY CONDITIONS:	Combustible liquid – May burn but does not ignite readily.
SUITABLE EXTINGUISHING MEDIA:	Foam, carbon dioxide, dry powder or water (fog or fine spray).
UNSUITABLE EXTINGUISHING MEDIA:	Direct water jet (although these may be used to cool adjacent containers).
FIRE AND EXPLOSION HAZARD:	Containers may explode when heated.
HAZARDS FROM COMBUSTION PRODUCTS:	Fire will produce irritating and / or toxic gases including Carbon dioxide, Carbon monoxide, Nitrous gases and Sulphurous gases.
ADVICE FOR FIREFIGHTERS:	In the event of a large fire self-contained breathing apparatus should be worn. Prevent runoff from entering waterways.

6. ACCIDENTAL RELEASE MEASURES

GENERAL RESPONSE PROCEDURE:	Ensure adequate ventilation – Ventilate enclosed spaces before entering. Eliminate all ignition sources (no smoking, flares, sparks or flames). Do not touch or walk through spilled material – Floors and other surfaces may become slippery. Avoid contact with eyes, skin and clothing.
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6. ACCIDENTAL RELEASE MEASURES (CONT.)

CLEAN UP PROCEDURES:	Absorb with earth, sand or other non-combustible material and transfer to suitable containers for disposal (See Section 13).
CONTAINMENT:	Stop leak if safe to do so – Prevent entry into waterways.
DECONTAMINATION:	Flush contaminated area with plenty of water.
ENVIRONMENTAL PRECAUTIONARY MEASURES:	Avoid release to the environment. Spillages and contaminated runoff should be contained and prevented from entering drains and watercourses.
EVACUATION CRITERIA	Spill or leak should be isolated immediately. Keep unauthorised personnel away.
PERSONAL PRECAUTIONARY MEASURES:	Do not touch damaged containers or spilled material unless wearing appropriate protective clothing (see Section 8).

7. HANDLING AND STORAGE

SAFE HANDLING:	Safety showers and eye wash stations should be provided within the immediate work area for emergency use. Ensure adequate ventilation. Handle in accordance with good industrial hygiene and safety practice. Avoid contact with eyes, skin and clothing. Use personal protective equipment as required (see Section 8). Keep away from heat and ignition sources – no smoking.
STORAGE:	Store in a cool, dry and well ventilated place. Keep container tightly closed. Keep away from strong oxidising agents and strong acids. Keep away from heat and ignition sources – No smoking. Store in a demarcated bunded area to prevent release to drains and / or water courses.
CONTAINER:	Keep in the original container.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

GENERAL:	No specific exposure standards are available for this product.
EXPOSURE LIMITS:	No Data Available.
BIOLOGICAL LIMITS:	No information available.



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8. EXPOSURE CONTROLS / PERSONAL PROTECTION (CONT.)

ENGINEERING CONTROLS:

A system of local and / or general exhaust is recommended to keep employee exposures as low as possible. Local exhaust ventilation is generally preferred because it can control the emissions of the contaminant at its source, preventing dispersion of it into the general work area. Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

PERSONAL PROTECTION EQUIPMENT:

Respiratory Protection: In case of inadequate ventilation. Wear respiratory protection. Recommended filter type: AP Organic vapour + Particulate.
Eye/face Protection: Wear appropriate eye protection to avoid eye contact. Recommended: Chemical splash goggles.
Hand protection: Handle with gloves. Recommended material: Nitrile rubber or Polyvinyl chloride (PVC).
Skin/body protection: Wear appropriate personal protective clothing to avoid skin contact. No recommendation.

SPECIAL HAZARDS PROTECTION:

No information available.

WORK HYGIENE PRACTICE:

Do not eat, drink or smoke when using this product. Wash thoroughly after handling.

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL:

Liquid

APPEARANCE:

Green

ODOUR:

Oil-like

pH:

No data available

BOILING POINT (°C):

> 200 @ 760 mmHg

MELTING POINT (°C):

<-50

FLASH POINT (°C):

125

AUTO-IGNITION TEMPERATURE (°C):

215

DECOMPOSITION TEMPERATURE (°C):

>250

EVAPORATION RATE:

No data available

SPECIFIC GRAVITY:

0.84





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9. PHYSICAL AND CHEMICAL PROPERTIES (CONT)

SOLUBILITY:	Insoluble in water
PARTITION COEFFICIENT (Log POW):	>3
KINEMATIC VISCOSITY @ 40°C (cSt):	18
VAPOUR PRESSURE @ 20°C (hPa):	0.1

10. STABILITY AND REACTIVITY

CHEMICAL STABILITY:	Stable at normal ambient temperatures when used as recommended.
CONDITIONS TO AVOID:	Heat, flames and other sources of ignition – no smoking.
MATERIALS TO AVOID:	Incompatible with strong oxidising agents and strong acids.
HAZARDOUS DECOMPOSITION PRODUCTS:	Fire/thermal decomposition will produce irritating and/or toxic gases including Carbon dioxide (CO ₂), Carbon Monoxide (MO), Nitrous gases (NO _x) and Sulphurous gases (SO _x)
HAZARDOUS POLYMERISATION:	Under normal conditions of storage and use, hazardous reactions will not occur.

11. TOXICOLOGICAL INFORMATION

GENERAL INFORMATION

ACUTE TOXICITY:	Low acute toxicity by the oral and dermal routes.
SKIN CORROSION/IRRITATION:	Not irritating (Animal data: No erythema).
EYE DAMAGE/IRRITATION:	Not irritating.
RESPIRATORY SKIN/SENSITISATION:	Not sensitising. Contains (4-nonylphenoxy) acetic acid. May produce an allergic reaction.
GERM CELL MUTAGENICITY:	No information available
CARCINOGENICITY:	There is no evidence that the product can cause cancer. IP346 DMSO Extract <3% - Mixture of severely hydrogenated solvent neutral oils and additives.
REPRODUCTIVE TOXICITY:	No Information available.
SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE):	No information available.



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11. TOXICOLOGICAL INFORMATION (CONT)

SPECIFIC TARGET ORGAN TOXICITY
(REPEAT EXPOSURE):

No information available.

ASPIRATION TOXICITY:

May be fatal if swallowed and enters airways. Entry into the lungs following ingestion or vomiting may cause chemical pneumonitis.

ACUTE TOXICITY

INGESTION:

Acute toxicity (Oral): – LD50 Rat: 5,000 mg/kg.

OTHER:

Acute toxicity (Dermal): – LD50 Rabbit: 2,000 mg/kg.

12. ECOLOGICAL INFORMATION

ECOTOXICITY:

No information available

PERSISTENCE AND DEGRADABILITY:

Product is biodegradable.

MOBILITY:

Insoluble in water.

ENVIRONMENTAL FATE:

The product components are not classified as environmentally hazardous. However, large or frequent spills may have hazardous effects on the environment.

BIOACCUMULATIVE POTENTIAL:

Base oil hydrocarbons possibly accumulative.

- LogPow: >6

- Partition coefficient: >3

ENVIRONMENTAL IMPACT:

Data not available

13. DISPOSAL CONSIDERATIONS

WASTE TREATMENT METHODS:

Dispose of in accordance with local and national regulations. Controlled incineration or recycling is recommended. Under no circumstances should this product be disposed of to rains, soil or water courses. It may be advisable to seek advice from Local Waste Authority before disposal. Used mineral oils can be carcinogenic - avoid contact with skin.



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14. TRANSPORT INFORMATION

ROAD & RAIL TRANSPORT:
ADG REQUIREMENT

Not classified as a Dangerous Good according to the Australian Code for the Transport of Dangerous Goods by Road and Rail.

MARITIME TRANSPORT:
IMO/IMDG REQUIREMENT

Not classified as a Dangerous Good according to the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea.

AIR TRANSPORT:
ICAO/IATA REQUIREMENT

Not classified as a Dangerous Good according to the criteria of the International Maritime Air Transport Association (IATA) Dangerous Goods Regulations for transport by air.

15. REGULATORY INFORMATION

POISON SCHEDULE:

Not scheduled.

PACKING & LABELLING:

No special packaging or labelling requirements.

AUSTRALIAN INVENTORY STATUS:

All components are listed or exempted.

16. OTHER INFORMATION

CONTACT PERSON/POINT:

General Manager 1300 796 009

This information was prepared in good faith from the best information available at the time of issue. It is based on the present level of research and to this extent we believe it is accurate. However, no guarantee of accuracy is made or implied and since conditions of use are beyond our control, all information relevant to usage is offered without warranty. The manufacturer will not be held responsible for any unauthorised use of this information or for any modified or altered versions.

If you are an employer it is your duty to tell your employees, and any others that may be affected, of any hazards described in this sheet and of any precautions that should be taken.

Safety Data Sheets are updated frequently. Please ensure you have a current copy.



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16. OTHER INFORMATION (CONT)

LITERATURE REFERENCES:

- * NOHSC: 2011 National Code of Practice for the preparation of Material Safety Data Sheets.
- * Safe Work Australia: 2016 Preparation of Safety Data Sheets for Hazardous Chemicals
- * NOHSC: 1008 Approved Criteria for Classifying Hazardous Substances.
- * NOHSC: 10005 List of Designated Hazardous Substances.
- * NOHSC: 1005 Control of Workplace Hazardous Substances, National Code of Practice.
- * NOHSC: 2007 Control of Workplace Hazardous Substances, National Code of Practice.
- * NOHSC: 1003 Exposure Standards for Atmospheric Contaminants in the Occupational Environment, National Exposure Standards.
- * NOHSC: 3008 Exposure Standards for Atmospheric Contaminants in the Occupational Environment, Guidance Note.
- * NOHSC: 1015 Storage and Handling of Workplace Dangerous Goods, National Standard.
- * NOHSC: 2017 Storage and Handling of Workplace Dangerous Goods, National Code of Practice.
- * SUSDP: Standard for the Uniform Scheduling of Drugs and Poisons
- * ADG: Australian Dangerous Goods Code
- * MSDS of component materials.

LAST CHANGE:

Supersedes document issued: 5 September 2017
Reason/s for revision: Minor editorial adjustments.

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END OF SDS