



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

5 Tarlington Place Smithfield NSW 2164

Correspondence: P.O Box 322 Castle Hill NSW 1765

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SAFETY DATA SHEET

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Issue Date: 13 March 2020

Limited Slip Additive

Version: 1

Product name: Limited Slip Additive

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: Limited Slip Additive

OTHER NAMES: None

MANUFACTURER'S PRODUCT CODE: HI4-4645

USE: Friction modifier additive for limited slip gear oils.

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
DANGEROUS GOODS
Hazard classification according to criteria of NOHSC and GHS
Dangerous goods classification according to the Australian Dangerous Goods (ADG) Code, IATA and IMDG/IMSBC criteria.

POISON SCHEDULE: Not Scheduled

ADG CLASSIFICATION: Class 8: Corrosive Substances

GHS LABEL ELEMENTS



SIGNAL WORD(S): DANGER



AUSTRALIAN FAMILY OWNED SINCE 1989





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2. HAZARDS IDENTIFICATION (CONT)

GHS HAZARD CLASSIFICATIONS

SKIN CORROSION/IRRITATION: Category 1B

SERIOUS EYE DAMAGE/IRRITATION: Category 1

HAZARD STATEMENTS: H314: Causes severe skin burns and eye damage.

PREVENTION STATEMENTS: P260: Do not breathe mists, vapours or spray.
P280: Wear protective gloves, protective clothing and eye or face protection.RESPONSE STATEMENTS: P301+P330+P331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P303+P361+P353: IF ON SKIN (or hair): Remove immediately all contaminated clothing. Rinse skin with water.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310: Immediately call the POISON INFORMATION CENTRE or doctor/physician on 13 11 26.
P363: Wash contaminated clothing before reuse.
P304+P340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

STORAGE STATEMENT(S): P405: Store locked up.

DISPOSAL STATEMENT: P501: If no in-house recycle or reclaim resources are suitable for this product, contact a specialist waste disposal company (see Section 13 of this SDS).

3. IDENTIFICATION / COMPOSITION OF INGREDIENTS

Ingredients	CAS No	Conc, %
Highly refined, low viscosity mineral oils/hydrocarbons (Viscosity >7 – <20.5 cSt @ 40°C).	Unspecified	50 - 100
Amines, N-(C14-18 and C16-18-unsaturated alkyl) trimethylenedi	68439-73-6	10 – 25
Bis(2-ethylhexyl) hydrogen phosphate	298-07-7	2.5 – 10
Bis(2-ethylhexyl)phosphate	3658-48-8	2.5 – 10
2-ethylhexyl dihydrogen phosphate	1070-03-7	1 – 2.5
2-ethylhexan-1-ol	104-76-7	0 - 1

This is a commercial product whose exact ratio of components may vary slightly.
Minor quantities of other non hazardous ingredients are also possible.



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4. FIRST AID MEASURES

GENERAL INFORMATION:

You should call the POISONS INFORMATION CENTRE if you feel that you may have been poisoned, burned or irritated by this product. The number is 13 11 26 from anywhere in Australia (0800 764 766 in New Zealand) and is available at all times. Have this SDS with you when you call.

INGESTION:

If swallowed, rinse mouth, then drink plenty of water. Do NOT induce vomiting. Immediately call a POISONS INFORMATION CENTRE or doctor/physician. If vomiting occurs, lean patient or place on left side (head-down position, if possible) to maintain an open airway and prevent aspiration. Never give anything by mouth to an unconscious person.

EYE CONTACT:

Immediately flush eyes with with running water for several minutes, holding eyelids open occasionally lifting the upper and lower lids. Remove contact lenses if present and easy to do. Continue rinsing for at least 15 minutes. Immediately call a POISONS INFORMATION CENTRE or doctor/physician.

SKIN CONTACT:

Remove contaminated clothes and shoes immediately. Flush skin and hair with running water for atleast 15 minutes . Immediately call a POISONS INFORMATION CENTRE or doctor/physician for advice. Wash contaminated clothing and shoes before reuse.

INHALATION:

Remove victim to fresh air and keep in a position comfortable for breathing. Immediately call a POISONS INFORMATION CENTRE or doctor/physician for advice. Apply resuscitation if victim is not breathing. Do not use direct mouth-to-mouth method if victim has ingested or inhaled the substance; use alternative resoiratory method or proper respiratory device. Administer oxygen if breathing is difficult.

ADVICE TO DOCTOR:

Treat symptomaticly. Keep victim calm and warm,. Obtain immediate medical care. Ensure personnel are aware of identity and nature of product(s) involved, and take precautions to protect themselves.

MEDICAL CONDITONS

AGGRAVATED BY EXPOSURE:

No information available.

5. FIRE FIGHTING MEASURES

GENERAL MEASURES:

If safe to do so, remove undamaged containers from the area. Cool containers with water spray until well after fire is out. Avoid getting water inside containers.

FLAMMABILITY CONDITIONS:

May burn, but does not ignite readily.

EXTINGUISHING MEDIA:

Use dry chemical, carbon dioxide(CO₂), foam or water spray for extinction. Do not use a solid stream as it may scatter and spread fire.

FIRE AND EXPLOSION HAZARDS:

Containers may explode when heated. When heated, vapours may form explosive mixtures with air. This material creates a fire hazard because it floats on water.



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5. FIRE FIGHTING MEASURES (CONT)

HAZARDOUS PRODUCTS OF COMBUSTION:

Fire will produce irritating, toxic and/or corrosive gases, including carbon monoxide, carbon dioxide and unburned hydrocarbons (smoke).

SPECIAL FIRE FIGHTING INSTRUCTIONS:

Contain runoff from fire control or dilution water. Runoff may be toxic and/or corrosive and may pollute waterways.

PERSONAL PROTECTIVE EQUIPMENT:

Wear self-contained breathing apparatus (SCBA) and chemical splash suit. Fully-encapsulating, gas tight suits should be worn for maximum protection. Structural firefighters uniform is NOT effective for this material.

FLASH POINT:

>149°C [Open Cup].

UPPER EXPLOSION LIMIT:

No data available.

LOWER EXPLOSION LIMIT:

No data available.

AUTOIGNITION TEMPERATURE:

No data available.

HAZCHEM CODE:

2X.

6. ACCIDENTAL RELEASE MEASURES

GENERAL RESPONSE PROCEDURE:

Ensure adequate ventilation. Ventilate enclosed spaces before entering. ELIMINATE all ignition sources. Do not touch or walk through spilled material. Do not breathe vapours and prevent contact with eyes, skin and clothing.

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, drains or confined areas. Cover with plastic sheet to prevent spreading.

DECONTAMINATION:

No information available.

ENVIRONMENTAL PRECAUTIONARY MEASURES:

Spillages and contaminated runoff should be contained and prevented from entering drains and watercourses. Local authorities should be advised if significant spillages cannot be contained.

EVACUATION CRITERIA

Spill or leak should be isolated immediately. Keep unauthorised personnel away. Keep upwind and to higher ground. Large spill: immediately contact Police or Fire Brigade: Consider initial downwind evacuation of areas within at least 250 m.



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6. ACCIDENTAL RELEASE MEASURES (CONT)

PERSONAL PRECAUTIONARY MEASURES: Do not touch damaged containers or spilled material unless wearing appropriate protective clothing (see Section 8). Large spill: wear SCBA and chemical splash suit. Fully-encapsulating, gas-tight suits should be worn for maximum protection.

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. Do not breathe mists/vapours/spray and prevent contact with eyes, skin and clothing. Do not ingest. Wear protective gloves/protective clothing/eye protection/face protection (see Section 8). Keep away from flames and hot surfaces – no smoking.

STORAGE: Store in a cool, dry and well ventilated place, out of direct sunlight. Keep container tightly closed. Keep away from heat and ignition sources – No smoking. Keep away from foodstuffs and incompatible materials (see SECTION 10). Store locked up.

CONTAINER: Keep in the original container.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

GENERAL: No specific exposure standards are available for this product. For oil mist, refined mineral: Safe Work Australia Exposure Standard: TWA = 5 mg/m³

EXPOSURE LIMITS: No Data Available.

BIOLOGICAL LIMITS: No information available.

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.

PERSONAL PROTECTION EQUIPMENT:
Respiratory Protection: In case of inadequate ventilation, wear respiratory protection. Recommended: Organic vapour/particulate filter respirator (refer AS/NZS 1715 & 1716).
Eye/face Protection: Wear appropriate eye protection to prevent eye contact. Recommended: Tightly fitting safety goggles. If splashing may occur, wear face-shield.
Hand protection: Wear protective gloves. Recommended material: impervious gloves.
Skin/body protection: Wear appropriate personal protective clothing to prevent skin contact. Recommended: Impervious clothing, boots, chemical-resistant apron.

SPECIAL HAZARDS PROTECTION: No information available.



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8. EXPOSURE CONTROLS / PERSONAL PROTECTION (CONT)

WORK HYGIENE PRACTICE:

Do not eat, drink or smoke when using this product. Regular cleaning of equipment, work area and clothing is recommended. Remove contaminated clothing immediately wash before reuse.

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE:	Liquid
APPEARANCE:	Clear liquid
COLOUR:	Light brown
ODOUR:	No information available
pH:	No data available
SPECIFIC GRAVITY:	0.912
BOILING POINT (°C):	> 148.9
MELTING POINT (°C):	No data available
FLASH POINT (°C):	>149 [Open Cup]
AUTO-IGNITION TEMPERATURE (°C):	No data available
EVAPORATION RATE:	No data available
SOLUBILITY:	Insoluble in water
PARTITION COEFFICIENT (Log POW):	No data available
KINEMATIC VISCOSITY @ 40°C (cSt):	60
VAPOUR PRESSURE @ 20°C (hPa):	No data available



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10. STABILITY AND REACTIVITY

GENERAL INFORMATION:	No information available.
CHEMICAL STABILITY:	Stable under normal conditions.
CONDITIONS TO AVOID:	Keep away from heat and sources of ignition.
MATERIALS TO AVOID:	Incompatible with strong oxidising agents, strong acids, strong bases.
HAZARDOUS DECOMPOSITION PRODUCTS:	Incomplete combustion and thermolysis will produce irritating, toxic and/or corrosive gases including carbon monoxide, carbon dioxide and unburned hydrocarbons (smoke).
HAZARDOUS POLYMERISATION:	No information available.

11. TOXICOLOGICAL INFORMATION

GENERAL INFORMATION

ACUTE TOXICITY:	Product does not present as an acute toxicity hazard based on known information. Ingestion causes burns of the upper digestive and respiratory tracts.
SKIN CORROSION/IRRITATION:	Corrosive – causes severe burns.
EYE DAMAGE/IRRITATION:	Causes serious eye damage. May result in permanent damage, including blindness.
RESPIRATORY SKIN/SENSITISATION:	Based on available data, the classification criteria are not met.
GERM CELL MUTAGENICITY:	Based on available data, the classification criteria are not met.
CARCINOGENICITY:	Based on available data, the classification criteria are not met.
REPRODUCTIVE TOXICITY:	Based on available data, the classification criteria are not met.
SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE):	Based on available data, the classification criteria are not met.
SPECIFIC TARGET ORGAN TOXICITY (REPEAT EXPOSURE):	Based on available data, the classification criteria are not met.
ASPIRATION TOXICITY:	Based on available data, the classification criteria are not met.

ACUTE TOXICITY

INGESTION:	Acute toxicity (Oral): Acute toxicity estimate (ATEmix): 14,841 mg/kg [Supplier's SDS].
DERMAL:	Acute toxicity (Dermal): Acute toxicity estimate (ATEmix): 13,652 mg/kg [Supplier's SDS].



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11. TOXICOLOGICAL INFORMATION (CONT)

CARCINOGEN CATEGORY: None

12. ECOLOGICAL INFORMATION

ECOTOXICITY:

Aquatic Toxicity

Component: Bis(2-ethylhexyl) hydrogen phosphate (CAS No. 298-07-7):
LC50, Fish (Oncorhynchus mykiss): 20 mg/L (96h) [static]
EC50, Crustacea (Daphnia magna): 80.3 mg/L (48h)

Component: 2-ethylhexan-1-ol (CAS No. 104-76-7):
LC50, Fish (Leuciscus idus): 17.1 mg/L (96h)
LC50, Fish (Pimephales promelas): 28.2 mg/L (96h)
EC50, Crustacea (Daphnia magna): 39 mg/L (48h)
EC50, Algae/aquatic plants (Desmodesmus subspicatus): 11.5 mg/L (72h)

PERSISTANCE/DEGRADABILITY:

The product is not readily biodegradable, but it can be degraded by micro-organisms; it is regarded as being inherently biodegradable.

MOBILITY:

The product is insoluble and floats on water.

ENVIRONMENTAL FATE:

Harmful to aquatic life with long lasting effects – Avoid release to the environment

BIOACCUMULATION DATA:

Component: 2-ethylhexan-1-ol (CAS No. 104-76-7):
-Partition coefficient: 3.1

ENVIRONMENTAL IMPACT:

No data available

13. DISPOSAL CONSIDERATIONS

GENERAL INFORMATION:

Dispose of contents/container in accordance with local/regional regulations.

SPECIAL PRECAUTIONS FOR LAND FILL:

Do not reuse empty containers.



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14. TRANSPORT INFORMATION

ROAD AND RAIL TRANSPORT

Classified as Dangerous Goods by the criteria of the "Australian Code for the Transport of Dangerous Goods by Road & Rail".



PROPER SHIPPING NAME:

CORROSIVE LIQUID, N.O.S. (Contains: Amines, N-(C14-18 and C16-18-unsaturated alkyl)trimethylenedi-,Phosphoric acid, bis(2-ethylhexyl)ester)

CLASS:

8 Corrosive Substances

SUBSIDIARY RISKS(S):

C2 Combustible Liquids – Flash Point >93°C Closed Cup, Not Excluded Flammable.

EPG:

36 Toxic And/Or Corrosive Substances Combustible.

UN NUMBER:

1760

HAZCHEM CODE:

2X

PACKING GROUP:

II

SPECIAL PROVISION:

No data available

MARINE TRANSPORT

Classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea.



PROPER SHIPPING NAME:

CORROSIVE LIQUID, N.O.S. (Contains: Amines, N-(C14-18 and C16-18-unsaturated alkyl)trimethylenedi-,Phosphoric acid, bis(2-ethylhexyl)ester)

CLASS:

8 Corrosive Substances

SUBSIDIARY RISKS(S):

No data available

UN NUMBER:

1760

HAZCHEM CODE:

2X

PACKING GROUP:

II

SPECIAL PROVISION:

No data available

EMS:

F-A, S-B

MARINE POLLUTANT:

No



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14. TRANSPORT INFORMATION (CONT)

AIR TRANSPORT

Classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air.



PROPER SHIPPING NAME:

CORROSIVE LIQUID, N.O.S. (Contains: Amines, N-(C14-18 and C16-18-unsaturated alkyl)trimethylenedi-, Phosphoric acid, bis(2-ethylhexyl)ester)

CLASS:

8 Corrosive Substances

SUBSIDIARY RISKS(S):

No data available

UN NUMBER:

1760

HAZCHEM CODE:

2X

PACKING GROUP:

II

SPECIAL PROVISION:

No data available

15. REGULATORY INFORMATION

PACKING & LABELLING:

Refer to Section 14

AUSTRALIAN INVENTORY STATUS:

All significant ingredients in this product are compliant with NICNAS regulations.

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 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
- * SDS of component materials.

LAST CHANGE:

Supersedes document issued: New document

Reason/s for revision: Compliance with GHS requirements.

MR023031/1

END OF SDS



AUSTRALIAN FAMILY OWNED SINCE 1989

