



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: 23 May 2017

PAO 4

Version: 1

**Product name: PAO 4**

## 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: PAO 4

OTHER NAMES: None

MANUFACTURER'S PRODUCT CODE: HI6-4527

USE: Synthetic lubricant

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

OTHER INFORMATION: Visit our website: [www.hi-tecoils.com.au](http://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 Code.

POISON SCHEDULE: Not scheduled

HAZARD CATEGORY: Aspiration Hazard – Category 1



SIGNAL WORD(S): DANGER



AUSTRALIAN FAMILY OWNED SINCE 1989





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## 2. HAZARDS IDENTIFICATION (CONT)

### GHS HAZARD CLASSIFICATIONS

HAZARD STATEMENT:

H304: May be fatal if swallowed and enters airways.

PREVENTION STATEMENT:

P102: Keep out of reach of children.

RESPONSE STATEMENTS:

P301 + P310: IF SWALLOWED: Immediately call the POISON INFORMATION CENTER on 13 11 26 or doctor/physician.

P331: Do NOT induce vomiting.

STORAGE STATEMENT:

P405: Store locked up.

DISPOSAL STATEMENT:

P501: Dispose of contents/container in accordance with local / regional / national / international regulations.

## 3. IDENTIFICATION / COMPOSITION OF INGREDIENTS

Ingredients	CAS No	Conc, %
1-Decene, homopolymer, hydrogenated	68037-01-4	100

## 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:

Move out of dangerous area. Show this material safety data sheet to the doctor in attendance. Do not leave the victim unattended. material may produce serious, potentially fatal pneumonia if swallowed or vomited. Keep respiratory tract clear. Rinse mouth with water. If swallowed, do NOT induce vomiting. Give a glass of water. Never give anything by the mouth to an unconscious patient. Get to a doctor or hospital quickly.

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.

SKIN CONTACT:

If skin or hair contact occurs, remove contaminated clothing and wash skin and hair with soap and water. If irritation occurs seek medical advice.

INHALATION:

Move to fresh air. If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician.

ADVICE TO DOCTOR:

No data available.

MEDICAL CONDITION

AGGRAVATED BY EXPOSURE:

No data available.





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### 5. FIRE FIGHTING MEASURES

GENERAL MEASURES:	Clear fire area of all non-emergency personnel. Stay upwind. Keep out of low areas. Eliminate ignition sources. Move fire exposed containers from fire area if it can be done without risk.
FLAMMABILITY CONDITIONS:	No data available.
EXTINGUISHING MEDIA:	In case of fire, use fine water spray, normal foam, dry agent (carbon dioxide, dry chemical powder). Do NOT use high volume water jet.
FIRE AND EXPLOSION HAZARD:	Classified as a C2 (COMBUSTIBLE LIQUID) for the purpose of storage and handling, in accordance with the requirements of AS 1940.
HAZARDOUS PRODUCTS OF COMBUSTION:	Combustible liquid. On burning will emit toxic fumes, including those of oxides of carbon.
FIRE FIGHTING:	Clear fire area of all non-emergency personnel. Stay upwind. Keep out of low areas. Eliminate ignition sources. All combustion residues and contaminated water from fire-fighting should be disposed of according to regulations
PPE:	Fire fighters should wear a positive-pressure self-contained breathing apparatus (SCBA) and protective fire fighting clothing (includes fire fighting helmet, coat, trousers, boots and gloves).
FLASH POINT:	219°C Cleveland open cup.
LOWER EXPLOSION LIMIT:	No data available.
UPPER EXPLOSION LIMIT:	No data available.
AUTOIGNITION TEMPERATURE:	343°C.
HAZCHEM CODE:	No data available.

### 6. ACCIDENTAL RELEASE MEASURES

GENERAL RESPONSE PROCEDURE:	Avoid accidents, clean up immediately. Increase ventilation. Avoid walking through spilled product as it may be slippery when spilt. Use clean, non-sparking tools and equipment. Shut off all possible sources of ignition.
CLEAN UP PROCEDURES:	Soak up with inert absorbent material eg. sand, silica gel, acid binder, universal binder, sawdust.
CONTAINMENT:	Stop leak if safe to do so. Isolate the danger area.
ENVIRONMENTAL PRECAUTIONARY MEASURES:	Do NOT let product reach drains or waterways. If product does enter a waterway, advise the Environmental Protection Authority or your local Waste Management.





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### 6. ACCIDENTAL RELEASE MEASURES (CONT)

EVACUATION CRITERIA:	Evacuate all unnecessary personnel.
PERSONAL PRECAUTIONARY MEASURES:	Personnel involved in the clean up should wear full protective clothing as listed in Section 8.

### 7. HANDLING AND STORAGE

HANDLING:	Ensure an eye bath and safety shower are available and ready for use. Observe good personal hygiene practices and recommended procedures. Wash thoroughly after handling. Take precautionary measures against static discharges by bonding and grounding equipment. Avoid contact with eyes, skin and clothing. Do not inhale product vapours. Classified as a C2 (COMBUSTIBLE LIQUID) for the purpose of storage and handling, in accordance with the requirements of AS 1940. Refer to State Regulations for storage and transport requirements.
STORAGE:	Store in a cool, dry, well-ventilated area. Keep containers tightly closed when not in use. Inspect regularly for deficiencies such as damage or leaks. Protect against physical damage. Store away from incompatible materials as listed in section 10. Protect from direct sunlight, moisture and static discharges. Store in a locked room away from children, animals, food, feedstuffs, seed and fertiliser. This product is not classified dangerous for transport according to The Australian Code for the Transport of Dangerous Goods By Road and Rail.
CONTAINER:	Store in original packaging as approved by manufacturer.

### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

GENERAL:	No exposure standard has been established for this product by The Safe Work Australia (SWA).
EXPOSURE LIMITS:	No data available.
BIOLOGICAL LIMITS:	No information available on biological limit values for this product.
ENGINEERING MEASURES:	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. Adequate ventilation should be provided so that exposure limits are not exceeded.
PERSONAL PROTECTION EQUIPMENT:	RESPIRATOR: Wear a mask where dusts/vapours are generated and engineering controls are inadequate (AS 1715/1716). EYES: Safety glasses with side shields (AS 1336/1337). HANDS: Wear rubber or PVC gloves (AS 2161). CLOTHING: Long-sleeved protective clothing and safety footwear (AS 3765/2210).
	NOTE: Suggested protective clothing might not be sufficient; consult a specialist before handling this product.



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### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION (CONT)

WORK HYGIENE PRACTICES: No data available

### 9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE & APPEARANCE: Liquid

ODOUR: Odourless

COLOUR: Clear, colourless

pH: No data available

VAPOUR PRESSURE: 1.70 mmhg (@ 177°C)

RELATIVE VAPOUR DENSITY: No data available

BOILING POINT: 414°C

FREEZING/MELTING POINT: No data available

SOLUBILITY: No data available

SPECIFIC GRAVITY: No data available

FLASH POINT: 219°C Cleveland open cup

AUTOIGNITION TEMP: 343°C

EVAPORATION RATE: No data available

BULK DENSITY: No data available

CORROSION RATE: No data available

DECOMPOSITION TEMPERATURE: No data available

DENSITY: 0.82 relative

SPECIFIC HEAT: No data available

MOLECULAR WEIGHT: No data available

NET PROPELLANT WEIGHT: No data available

OCTANOL WATER COEFFICIENT: No data available



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## 9. PHYSICAL AND CHEMICAL PROPERTIES (CONT)

PARTICLE SIZE:	No data available
PARTITION COEFFICIENT:	No data available
SATURATED VAPOUR CONC:	No data available
VAPOUR TEMPERATURE:	No data available
VISCOSITY:	16 cSt (@ 37.8°C)
VOLATILE PERCENT:	No data available
VOC VOLUME:	No data available
ADDITIONAL CHARACTERISTICS:	No data available
POTENTIAL FOR DUST EXPLOSION:	Product is a combustible liquid
FAST OR INTENSELY BURNING CHARACTERISTICS:	No data available
FLAME PROPAGATION OR BURNING RATE OF SOLID MATERIALS:	No data available
NON-FLAMMABLES THAT COULD CONTRIBUTE UNUSUAL HAZARDS TO A FIRE:	No data available
PROPERTIES THAT MAY INITIATE OR CONTRIBUTE TO FIRE INTENSITY:	No data available
REACTIONS THAT RELEASE GASES OR VAPOURS:	No data available
RELEASE OF INVISIBLE FLAMMABLE VAPOURS AND GASES:	No data available

## 10. STABILITY AND REACTIVITY

CHEMICAL STABILITY:	This material is considered stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.
CONDITIONS TO AVOID:	Avoid excessive heat, direct sunlight, moisture, static discharges and high temperatures.



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### 10. STABILITY AND REACTIVITY (CONT)

MATERIALS TO AVOID:	Incompatible with strong oxidising agents, bases, mineral acids and sources of ignition.
HAZARDOUS DECOMPOSITION PRODUCTS:	No decomposition if stored and applied as directed.
HAZARDOUS POLYMERISATION:	Hazardous polymerisation will not occur.

### 11. TOXICOLOGICAL INFORMATION

GENERAL INFORMATION:	Acute Oral toxicity : LD50, Rat, >5000mg/kg. Acute Inhalation toxicity : LC50, male and female rat, >5.2mg/l, 4 hours. Acute dermal toxicity, Rat, >2000mg/kg. Did not cause sensitisation on laboratory animals. Did not show teratogenic effects in animal experiments. Animal testing did not show any mutagenic effects.
INGESTION:	Swallowing can result in nausea, vomiting and central nervous system depression. If the victim is showing signs of central system depression (like those of drunkenness) there is greater likelihood of the patient breathing in vomit and causing damage to the lungs. Breathing in vomit may lead to aspiration pneumonia (inflammation of the lung). May be fatal if swallowed and enters airways.
SKIN IRRITANT:	Contact with skin may result in irritation. Will have a degreasing action on the skin. Repeated or prolonged skin contact may lead to irritant contact dermatitis.
EYE IRRITANT:	May be an eye irritant.
INHALATION:	Breathing in vapour, mists or aerosols may produce respiratory irritation.
CARCINOGEN CATEGORY:	No data available.

### 12. ECOLOGICAL INFORMATION

ECOTOXICITY:	Toxicity to fish : LD50, >1000mg/l, Salmo Gairdneri (Rainbow trout), 96 hours LC50 > 750mg/l, Pimephales promelas (fathead minnow), 96 hours EC50, 190mg/l, Daphnia magna (Water flea), 48 hours NOELR, 1000mg/l, Scenedesmus capricornutum (Fresh water algae), 72 hours, static test method : OECD Test guideline 201.
PERSISTENCE/DEGRADABILITY:	Expected to be inherently biodegradable.
MOBILITY:	No information available on mobility for this product.
ENVIRONMENTAL FATE:	Do NOT let product reach waterways, drains and sewers.





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### 12. ECOLOGICAL INFORMATION (CONT)

BIOACCUMULATION POTENTIAL: This material is not expected to bioaccumulate.

ENVIRONMENTAL IMPACT: No data available.

### 13. DISPOSAL CONSIDERATIONS

GENERAL INFORMATION: Dispose of in accordance with all local, state and federal regulations. All empty packaging should be disposed of in accordance with Local, State, and Federal Regulations or recycled/reconditioned at an approved facility.

DISPOSAL: Contact a specialist disposal company or the local waste regulator for advice. Incinerate at an approved site following all local regulations. This material may be suitable for approved landfill.

### 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

POISONS SCHEDULE: Not scheduled

PACKING & LABELLING: Refer to Section 14

AUSTRALIAN INVENTORY STATUS: All components are listed or exempted.





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## 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.

### LITERATURE REFERENCES:

- \* NOHSC: 2011 National Code of Practice for the preparation of Safety Data Sheets.
- \* 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.

TN715032/1

END OF SDS