



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

Ph: 1300 796 009 | Fax: (02) 9604 1611 | Email: hitecoils@hi-tecoils.com.au

www.hi-tecoils.com.au

# SAFETY DATA SHEET

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Issue Date: 20 August 2020

Bio Hydraulic S Type 46

Version: 5

**Product Identifier:**

**Bio-Hydraulic S Type 46**

## 1. COMPANY DETAILS AND PRODUCT IDENTIFICATION

COMPANY: ENZED® Parker Hannifin (Australia) Pty Limited (ABN 89 008 446 893)

ADDRESS: Lot 9 Chapple Street, Wodonga, Victoria, 3690

TELEPHONE NUMBER: 13 13 62

FAX NUMBER: (02) 6056 3099

EMERGENCY TELEPHONE NUMBER: 13 13 62

PRODUCT NAME: Bio-Hydraulic S Type 46

OTHER NAMES: None

MANUFACTURER'S PRODUCT CODE: HI5-2916

USE: Synthetic oil based biodegradable hydraulic fluid

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

OTHER INFORMATION: Visit our website: [www.enzed.com.au](http://www.enzed.com.au)  
Email: oil@ened.com.au

## 2. HAZARDS IDENTIFICATION

HAZARD CLASSIFICATION: NON-HAZARDOUS  
NON-DANGEROUS GOODS  
Hazard classification according to GHS Classification.  
Dangerous goods classification according to Australian Dangerous Goods Code.

SIGNAL WORD (S): None

IRRITANCY OF PRODUCT: Not classified as an irritant.

SENSITISATION OF PRODUCT: Not known to be a sensitiser.

TERATOGENICITY: No teratogenic effects known.

OTHER INFORMATION: Used oils may contain harmful impurities that have accumulated during use. The concentration of such impurities will depend on use and they may present risks to health and environment on disposal. All used oils should be handled with caution and skin contact avoided as far as possible.



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### 3. IDENTIFICATION / COMPOSITION OF INGREDIENTS

CHEMICAL CHARACTERISTICS: Liquid

INGREDIENTS:-

CHEMICAL ENTITY:	CAS No.	PROPORTION
Ingredients determined not to be hazardous	Mixture	To 100%

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: If poisoning occurs, contact a doctor or Poisons Information Centre (Phone Australia 13 11 26, New Zealand 0800 764 766).

INHALATION: Remove to fresh air. Treat symptomatically. In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

SKIN CONTACT: Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. Treat symptomatically. In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

EYE CONTACT: Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a doctor. Treat symptomatically. In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). If easy to do, remove contact lenses.

INGESTION: Clean mouth with water and drink afterwards plenty of water. Treat symptomatically. In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). Do NOT induce vomiting.

SYMPTOMS & EFFECTS:  
(BOTH ACUTE & DELAYED) No information available.

NOTES TO PHYSICIAN: Treat symptomatically.

### 5. FIRE FIGHTING MEASURES

SUITABLE EXTINGUISHING MEDIA: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

UNSUITABLE EXTINGUISHING MEDIA: Do not use water jetstream.



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## 5. FIRE FIGHTING MEASURES (CONT.)

HAZARDS ARISING FROM THE CHEMICAL: Thermal decomposition can lead to release of irritating and toxic gases and vapours.

FIRE-FIGHTING RECOMMENDATIONS: Wear self-contained breathing apparatus and protective suit. Use personal protective equipment as required.

## 6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS: Ensure adequate ventilation, especially in confined areas.

EMERGENCY RESPONDERS: Use personal protection recommended in Section 8.

ENVIRONMENTAL PRECAUTIONS: Collect spillage.

METHODS FOR CONTAINMENT: Prevent further leakage or spillage if safe to do so.

METHODS FOR CLEANING UP: Take up mechanically, placing in appropriate containers for disposal.

PREVENTION OF SECONDARY HAZARDS: Clean contaminated objects and areas thoroughly observing environmental regulations.

## 7. HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING: Ensure adequate ventilation, especially in confined areas.

GENERAL HYGIENE CONSIDERATIONS: Handle in accordance with good industrial hygiene and safety practice.

STORAGE CONDITIONS: Keep containers tightly closed in a dry, cool and well-ventilated place.

INCOMPATIBLE MATERIALS: None known based on information supplied.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE LIMITS: This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

ENGINEERING CONTROLS: Ensure adequate ventilation, especially in confined areas.

EYE/FACE PROTECTION: Tight sealing safety goggles.

SKIN & BODY PROTECTION: Suitable protective clothing.

RESPIRATORY PROTECTION: Where respiratory protection is required, use a respirator selected and in accordance with AS/NZS 1715 and AS/NZS 1716.

ENVIRONMENTAL EXPOSURE CONTROLS: No information available.



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### 9. PHYSICAL AND CHEMICAL PROPERTIES

FORM:	Liquid
APPEARANCE:	Clear
COLOUR:	Amber
ODOUR:	Characteristic
ODOUR THRESHOLD:	Not available
pH:	Not available
MELTING/FREEZING POINT:	Not available
BOILING POINT/RANGE:	Not available
FLASHPOINT (Cleveland Open Cup):	300°C
EVAPORATION RATE:	Not available
FLAMMABILITY (solid, gas):	Not available
FLAMMABILITY LIMITS -LOWER:	Not available
FLAMMABILITY LIMITS -UPPER:	Not available
VAPOUR PRESSURE:	Not available
VAPOUR DENSITY:	Not available
RELATIVE DENSITY @ 25°C:	0.915 typical
WATER SOLUBILITY:	Insoluble.
SOLUBILITY (ies):	Not available
PARTITION COEFFICIENT:	Not available
AUTO-IGNITION TEMPERATURE:	Not available
DECOMPOSITION TEMPERATURE:	Not available
KINEMATIC VISCOSITY @ 40°C:	Approximately 48 cSt
DYNAMIC VISCOSITY:	Not available



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### 9. PHYSICAL AND CHEMICAL PROPERTIES (CONT.)

EXPLOSIVE PROPERTIES: Not available

OXIDISING PROPERTIES: Not available

VOC CONTENT (%): Not available

DENSITY: Not available

### 10. STABILITY AND REACTIVITY

REACTIVITY: No data available.

CHEMICAL STABILITY: Stable under normal conditions.

EXPLOSION DATA: Sensitivity to Mechanical Impact - None.  
Sensitivity to Static Discharge – None.

HAZARDOUS REACTIONS: None under normal processing.

INCOMPATIBLE MATERIALS: No information available.

HAZARDOUS DECOMPOSITION PRODUCTS: None under normal use conditions.

### 11. TOXICOLOGICAL INFORMATION

#### ACUTE TOXICITY - NUMERICAL MEASURES OF TOXICITY

- 0% of the mixture consists of ingredient(s) of unknown toxicity
- 0 % of the mixture consists of ingredient(s) of unknown acute oral toxicity
- 0 % of the mixture consists of ingredient(s) of unknown acute dermal toxicity
- 0 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (gas)
- 0 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (vapour)
- 0 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (dust/mist)

#### DELAYED AND IMMEDIATE EFFECTS AS WELL AS CHRONIC EFFECTS FROM SHORT AND LONG-TERM EXPOSURE

SKIN CORROSION/IRRITATION: No information available.

SERIOUS EYE DAMAGE/EYE IRRITATION: No information available.

SENSITISATION: May cause sensitisation by skin contact.

GERM CELL MUTAGENICITY: No information available.

CARCINOGENICITY: No information available.



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### 11. TOXICOLOGICAL INFORMATION (CONT)

REPRODUCTIVE TOXICITY: No information available.

STOT - SINGLE EXPOSURE: No information available.

STOT - REPEATED EXPOSURE: No information available.

ASPIRATION HAZARD: No information available.

### 12. ECOLOGICAL INFORMATION

#### ECOTOXICITY

UNKNOWN AQUATIC TOXICITY: 0% of the mixture consists of components(s) of unknown hazards to the aquatic environment.

PERSISTENCE AND DEGRADABILITY: No information available.

BIOACCUMULATIVE POTENTIAL: No information available.

MOBILITY IN SOIL: No information available.

MOBILITY: No information available.

OTHER ADVERSE EFFECTS: No information available.

### 13. DISPOSAL CONSIDERATIONS

#### WASTE TREATMENT METHODS

WASTE FROM RESIDUES/UNUSED PRODUCTS: Disposal should be in accordance with applicable regional, national and local laws and regulations. Since empty containers retain product residue, follow label warnings even after container is emptied.

CONTAMINATED PACKAGING: Disposal should be in accordance with applicable regional, national and local laws and regulations. Observe all label precautions until container is cleaned, reconditioned or destroyed. Refer to all federal, state and local regulations prior to disposal of container and unused contents by re-use, recycle or disposal.



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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:
- \* Safework Australia: 2016 Code of Practice for the Preparation of Safety Data Sheets for Hazardous Substances.
  - \* NOHSC: 2011 National Code of Practice for the preparation of Material 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.
  - \* MSDS of component materials.

LAST CHANGE: Supersedes document issued: 23 January 2018.  
Reason/s for revision: Alignment to GHS requirements.

**KH028002/1**

**END OF SDS**



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