



# Material Safety Data Sheet

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Issued by: Royal Precision Lubricants

Page 1 of 3

**Product Name:** Eco Biodraulic 46

## 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name Eco Biodraulic 46  
Product Code 9025  
Product Use This oil is suitable for applications where hydraulic power transmission systems are used. Eco Biodraulic 46's specialised formulation is of a particular advantage when used in environmentally sensitive areas, such as in construction and earthmoving. Due to its natural base and its wide viscosity range this oil ideal for use in a variety of machines.

Company Name Royal Precision Lubricants Pty Ltd (ABN 72 155 989 165)  
Address 40 Kimberly Road, Dandenong South, Vic., 3175.  
Telephone 03 9768 2441  
Fax 03 9768 3325

## 2. HAZARDS IDENTIFICATION

Hazard Classification Classified as Non-Hazardous according to the criteria of NOHSC.  
Not classified as Dangerous Goods, according to the Australian Code for the Transport of Dangerous Goods by Road & Rail.

Safety Phrase(s) S24/25 Avoid contact with skin and eyes.  
S28 After contact with skin, wash immediately with plenty of soap and water.  
S37 Wear suitable gloves.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients:		
Name	CAS Number	Proportion (%)
Refined Vegetable Oil	120962-03-0	40% - 100%
Additives determined not to be hazardous	N/A	Balance

## 4. FIRST AID MEASURES

**Inhalation:** Remove person from source of contamination. Apply artificial respiration if person not breathing. If symptoms develop seek medical attention.

**Ingestion:** Do not induce vomiting. Seek immediate medical attention.

**Skin:** Wash affected area thoroughly with soap and water. Remove contaminated clothing and wash before reuse or discard. If symptoms develop seek medical attention.

**Eye:** If contact with the eyes, wash immediately with copious amounts of water. If symptoms persist seek medical treatment.

**First Aid Facilities:** Eye wash and normal wash room facilities.

**Advice to Doctor:** Treat symptomatically.

**Other Information:** For further advice contact Poisons Information Centre 131 126.

**Product Name: Eco Biodraulic 46**

## 5. FIRE FIGHTING MEASURES

**Suitable Extinguishing Media:** Use carbon dioxide, dry chemical, foam or water mist.

**Hazards from Combustion Products:** Combustible liquid. This product will burn if exposed to fire.

**Special Protection Equipment:** Fire-fighters should wear full protective clothing and self contained breathing apparatus (SCBA) in case of fire.

## 6. ACCIDENTAL RELEASE MEASURES

**Emergency Procedures:** Personnel to wear appropriate personal protective equipment and clothing to minimise exposure. Remove all sources of ignition. Stop leaks where safe to do so. Ventilate area. Use inert absorbent material on spillage to avoid spillage from entering drains or waterways. Use non sparking tools to collect material, and place in labelled containers. Dispose of waste materials in accordance with local and national regulations. If spillage enters waterways contact the Environmental Protection Authority or local water authority.

## 7. HANDLING AND STORAGE

**Precautions for Safe Handling:** Use in a well ventilated area. Wear appropriate protective equipment and clothing to avoid inhalation of fumes or mist, contact with skin and eyes. Containers not in use should be closed. Do not smoke. Always wash hands after handling and prior to eating, drinking, smoking or using the toilet.

**Conditions for Safe Storage:** Classified as a Class C2 (COMBUSTIBLE LIQUID) for the purposes of storage and handling. Store in a cool, well ventilated area away from heat and other sources of ignition, oxidising agents, foodstuffs, and out of direct sunlight. Keep containers securely sealed and protect against damage.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**National Exposure Standards:** No exposure standard has been established, however, the TWA National Occupational Health and Safety Commission (NOHSC) exposure standard for oil mist is 5 mg/m<sup>3</sup>. As with all chemicals, exposure should be kept to the lowest possible level.

**Engineering Controls:** Use in well ventilated areas. Where ventilation is inadequate, a local exhaust ventilation system is required.

**Eye Protection:** Safety glasses with side shields, goggles or full face mask as appropriate. Individual circumstances will dictate the final choice of protection.

**Hand Protection:** Use gloves of an impervious nature. Individual circumstances will dictate the final choice of protection.

**Body Protection:** Suitable protective clothing to protect areas of possible exposure from splashing.

**Respiratory Protection:** Normally not required, however if mists or vapours are generated in a poorly ventilated area an approved respirator with a replaceable vapour/mist filter is recommended.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Viscous amber liquid
Melting Point	Not available
Boiling Point	Not available
Vapour Pressure	Not available
Solubility in Water	Insoluble
pH Value	Not applicable
Viscosity @ 40°C	46 cSt
Viscosity @ 100°C	10.4 cSt
Specific Gravity	0.89
Flash Point	290°C
Flammability	Combustible Liquid
Auto Ignition Temperature	Not available
Flammable Limits	Not available

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## 10. STABILITY AND REACTIVITY

**Chemical Stability:** Stable under normal conditions of storage and handling.

**Conditions to Avoid:** Heat, direct sunlight, open flames or other sources of ignition.

**Incompatible Materials:** Strong oxidizing agents.

**Hazardous Decomposition Products:** Carbon monoxide, carbon dioxide, phosphorous and sulphur.

## 11. TOXICOLOGICAL INFORMATION

**Toxicology Information:** No toxicology data available for this product.

**Inhalation:** Inhalation of vapours may cause irritation of the nose, throat and respiratory system.

**Ingestion:** Ingestion of this product may irritate the gastric tract causing nausea and vomiting.

**Skin:** Contact may cause irritation to the skin. This may include redness and itchiness.

**Eye:** Contact may cause impaired vision, redness and tearing.

**Chronic Effects:** Prolonged or repeated contact may result in skin irritation leading to dermatitis.

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity:** May cause adverse effects within aquatic organisms.

**Persistence/Degradability:** Not available.

**Mobility:** Not available.

**Bioaccumulative Potential:** Not available.

**Environmental Protection:** Do not allow product to enter drains, waterways or sewers.

## 13. DISPOSAL CONSIDERATIONS

**Disposal Considerations:** The disposal of spilled or waste materials must be done in accordance with local, state and national regulations.

## 14. TRANSPORT INFORMATION

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

## 15. REGULATORY INFORMATION

**Poisons Schedule:** Not scheduled.

**Hazard Category:** Not classified as hazardous according to the criteria of the National Occupational Health and Safety Commission (NOHSC) Australia.

**Contact Point:** Technical Manager

**Phone:** 07 3203 2833

....End of MSDS....

The information contained in this MSDS is as accurate as we can ascertain at this time. However, as the information is gleaned from a number of third party sources Royal Precision Lubricants can make no warranty, guarantee or statement as to the reliability or completeness of the information. Royal Precision Lubricants will not accept liability of any damages whatsoever arising from the reliance of this information. It is the responsibility of the person handling the product to satisfy themselves as to the suitability and completeness of such information for their own use.