



Safety Data Sheet

Issue Date: 22 June 2015

Issued by: Royal Precision Lubricants

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Product Name: Hydrol AW 46

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name Hydrol AW 46
Product Code 5003
Product Use This oil is suitable for all hydraulic fluid power transmission systems subjected to severe duty. Hydraulic AW ISO 46 is also recommended for critical hydraulic systems, which must remain operational, where the cost of downtime and maintenance are high or where long service intervals are required.
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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, was immediately with plenty of soap and water.
S37 Wear suitable gloves.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients:		
Name	CAS Number	Proportion (%)
Mineral Base Oil	64742-65-0	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.

Advise to Doctor: Treat symptomatically.

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

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.

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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 onto spillage to avoid spillage from entering drains or waterways. Use non sparking tools to collect material, and place in to 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/m³. 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	6.8 cSt
Specific Gravity	0.882
Flash Point	>220°C
Flammability	Combustible Liquid
Auto Ignition Temperature	Not available
Flammable Limits	Not available

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.

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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 to 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 a hazardous according the criteria of the National Occupational Health and Safety Commission (NOHSC) Australia.

Contact Point: Technical Manager

Phone: +61 3 9768 2441

....End of SDS....

The information contained in this SDS 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.