

HYDRAULIC OILS

MATERIAL SAFETY DATA SHEET

MSDS No: Product Name: Manufacturers Code: Date:	HYDRAULIC OILS HYD22, HYD32, HYD46, HYD68, HYD100 February 2013	QUICK SMART PRODUCTS 53 ASSEMBLY DRIVE TULLAMARINE VIC 3043 ABN: 40 959 725 049 Ph: (03) 9338 6655 (BH) Fax: (03) 9335 2598 Email: gsmart@bigpond.net.au Web: www.quicksmartproducts.com.au
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1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name:	HYDRAULIC OILS
Company Name:	QUICK SMART PRODUCTS
Address:	53 Assembly Drive Tullamarine Vic 3043
Telephone/Fax:	(03) 9338 6655 (BH) Poisons Information Centre 131126 (AH) Fax: (03) 9335 2598
Recommended Use:	High performance hydraulic fluid.

2. HAZARDS IDENTIFICATION

Statement of Hazardous/Dangerous Nature:	NON-HAZARDOUS SUBSTANCE NON-DANGEROUS GOODS Classified as Non-Hazardous according to the criteria of NOHSC Australia. Classified as Non-Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail (ADG Code)
UN No:	Non Allocated
Hazchem Code:	Non Allocated

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Entity	CAS No	Proportion
A blend of severely solvent refined base oils with a proprietary performance additives at sufficiently low levels as to not require hazardous classification.		VHIGH > 60%

4. FIRST AID MEASURES

Poison Information Centres (131126) in each State Capital City can provide additional assistance for scheduled poisons.

Ingestion:	Do NOT induce vomiting. Seek immediate medical assistance.
Eye:	Hold eyelid open and flush with copious amounts of clean water for at least 15 minutes or until all contaminants are washed out completely. If irritation persists seek medical attention.
Skin:	Remove contaminated clothing and launder before re-use. Wash contaminated skin with soap and copious amounts of clean water. Discard internally contaminated items, like gloves and footwear. If irritation develops seek medical attention.
Inhaled:	Remove the source of contamination and move the affected person to fresh air. Remove contaminated clothing and loosen remaining clothing. Allow patient to assume most comfortable position and keep warm. If the victim is not breathing, apply artificial resuscitation and seek urgent medical attention. In serious cases of over-exposure, seek immediate medical attention.
First Aid Facilities:	Normal washroom facilities are generally suitable. It is recommended that an eyewash station be available and ready for use.
Advice to Doctor:	Treat symptomatically.

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5. FIRE FIGHTING MEASURES

Suitable Extinguishing Media:	If materials is involved in a fire use water fog (or if unavailable fine water spray), foam dry agent (carbon dioxide, dry chemical powder).
Protective Equipment for Fire Fighters:	Fire Fighters should wear Self-Contained Breathing Apparatus (SCBA) and full protective clothing if risk of exposure to vapour or products of combustion.
Specific Methods:	Keep storage tanks, pipelines and fire exposed surfaces cool with water mist. If safe to do so, shut off any leak and remove containers from ignition sources.
Specific Hazards:	Combustible liquid. Under fire conditions this product may emit toxic and/or irritation fumes.

6. ACCIDENTAL RELEASE MEASURES:

Spills:	Spillages are slippery. Avoid accidents, clean up immediately. Personnel involved in cleaning up any spills are to wear protective equipment to prevent skin and eye contamination and inhalation of vapours. Cordon off the spillage area. Isolate the source of the spillage or leak. Contain using sand or soil. Prevent run off into drains, sewers and waterways. Advise local authorities immediately if release into sewer and/or waterways is expected to have occurred. Collect by vacuum truck or an absorbent material and seal in properly labelled containers for disposal. Rinse the area clean with detergent and excess water.
Disposal:	Dispose of in accordance to Federal, EPA, State and Local Regulations. Disposal into sewer system is not permitted.

7. HANDLING AND STORAGE

Handling:	Before use carefully read the product label. Avoid eye contact and repeated or prolonged skin contact. When handling this product, maintain good standards of personal hygiene i.e. washing hands prior to eating, drinking, smoking or using the toilet facilities. Keep containers closed when not in use.
Storage:	Store in a cool, well ventilated place out of direct sunlight and away from ignition sources, oxidising agents, foodstuffs and clothing. Keep containers tightly closed when not in use. Inspect regularly for deficiencies such as damage or leaks.

8. EXPOSURE CONTROL

Occupational Exposure Limits:	No exposure standards have been established for this material, however, the TWA National Occupational Health and Safety Commission (NOHSC) exposure standards for oil mist is 5 mg/m ³ . As with all chemicals, exposure should be kept to the lowest possible levels. As published by the National Occupational Health and Safety Commission (NOHSC): TWA - the Time-Weighted Average airborne concentration over an eight-hour working day, for a five-day working week over an entire working life.
Biological Limit:	No biological limit allocated.
Engineering Controls:	Special ventilation is not normally required due to low volatility of the product at normal temperatures. In the operation of certain equipment or at higher temperatures, mist or vapour may be generated and exhaust ventilation should be used to maintain airborne concentration levels below the exposure limit. Where no exposure standard is stated, keep as low as practicable.

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Respiratory Protection:	If engineering controls are not effective in controlling airborne exposure then respiratory protective equipment should be used suitable for protecting against airborne contaminants. Final choice of appropriate breathing protection is dependant upon actual airborne concentrations and the type of breathing protection required will vary according to individual circumstances. Expert advice may be required to make this decision. Reference should be made to Australian Standards AS/NZS 1715, Selection, Use and maintenance of Respiratory Protective Devices; and AS/NZS 1716, Respiratory Protective Devices.
Eye Protection:	Safety glasses with side shields, goggles or full-face shield as appropriate recommended. Final choice of appropriate eye/face protection will vary according to individual circumstances i.e. methods of handling or engineering controls and according to risk assessments undertaken. Eye protection should conform with Australian/New Zealand Standards AS/NZS 1337 – Eye Protectors for Industrial Applications.
Hand Protection:	Wear gloves of impervious material. Final choice of appropriate gloves will vary according to individual circumstances i.e. methods of handling or according to risk assessments undertaken. Reference should be made to AS/NZS 2161.1 – Occupational Protective Gloves – Selection, Use and Maintenance.
Body Protection:	Suitable protective work wear, e.g. cotton overalls buttoned at neck and wrist is recommended. Chemical resistant plastic apron is recommended where large quantities are handled.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Brown oily liquid
Odour:	Oily odour
Density:	@ 15°C 0.878Kg/L
Flash Point:	204°C (PMP)
Flammability:	Combustible Liquid (C2)
Solubility:	Insoluble in water
Reactivity:	Reacts with oxidising agents
Kinematic:	32.0mm ² /S @ 40°C
Viscosity:	5.4mm ² /S @ 100°C

10. STABILITY AND REACTIVITY

Stability:	Stable under normal conditions of storage and handling.
Conditions to Avoid:	Avoid sources of ignition, heat, open flames or direct sunlight.
Incompatible Materials:	Oxidising agents.
Hazardous Decomposition Products:	Oxides of carbon and nitrogen, smoke and other toxic fumes.
Hazardous Polymerization:	Will not occur.

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11. TOXICOLOGICAL INFORMATION

Toxicology Information: No toxicity data is available for this specific product.

No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet and the product label. Symptoms or effects that may arise if the product is mishandled and over exposure occurs:

Acute Effects:

Ingestion: Swallowing can result in nausea, vomiting and irritation of the gastrointestinal tract.
Eye: May be an eye irritant.
Skin: Contact with skin may result in irritation.
Inhaled: Material may be an irritant to mucous membranes and respiratory tract.

12. ECOLOGICAL INFORMATION

Ecotoxicity: No ecological data is available for this specific product

Persistence / Degradability: Not available.

Mobility: Not available.

Bioaccumulative Potential: Not available.

Environmental Protection: Avoid contaminating waterways. Spills on water may form a film causing physical damage to organisms, oxygen transfer could also be impaired. Do not discharge the product into sewers or any body of waterway.

13. DISPOSAL CONSIDERATIONS

Disposal Considerations: Waste product should be placed in sealed, properly labelled containers for disposal. Dispose of waste according to Federal, EPA, State and Local Regulations. Assure conformity with all applicable regulations.

14. TRANSPORT INFORMATION

Transport Information: Classified as Non-Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail (ADG Code).

15. REGULATORY INFORMATION

Poisons Schedule: Not Scheduled

AICS (Australia): To the manufactures best knowledge, all ingredients are listed in the Australian Inventory of Chemical Substances (AICS)

16. OTHER INFORMATION

Contact Person/Point: Technical Information: (03) 9338 6655.

Date of Preparation or last revision of MSDS: MSDS reviewed: 1 February 2013

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		ABN: 40 959 725 049
		Ph: (03) 9338 6655 (BH) Fax: (03) 9335 2598
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This MSDS summarises our best knowledge of the health and safety hazard information of the product and how to safely handle and use the product in the workplace. Each user must review this MSDS in the context of how the product will be handled in the workplace and in conjunction with other materials. If clarification or further information is needed to ensure that an appropriate risk assessment can be made, the user should contact this company.

END OF MSDS