



PRODUCT INFORMATION SHEET

CARLUBE HYDRAULIC SUPER 46

DESCRIPTION

Carlube Hydraulic Super 46 is a multigrade high viscosity index hydraulic oil. Its manufactured from solvent refined base oils treated with a shear stable viscosity index improver, anti-wear additive and inhibited against corrosion, oxidation and foaming.

ADVANTAGES

- Excellent performance over a wide temperature range
- Increased service life of pumps and components due to reduced wear
- Good protection against rust and corrosion
- Applicable for both outdoor and indoor service
- Good flow properties at low temperatures
- Suitable for all types of hydraulic pumps and components for which the manufacturer specifies anti-wear hydraulic fluids

PERFORMANCE LEVEL

- AFNOR 48603
- Denison Filterability TP 02100
- ISO 6743/4 Type HV
- US Steel 127
- Vickers M-29050-S (Mobile)
- Cincinnati Milacron P-68-70
- DIN 51524. Part 2
- Poclain Hydraulic Oil Requirements
- Vickers I-286-S (Industrial)

PROPERTIES

SAE Viscosity Grade		46
Density @ 15°C		0.882
Kinematic Viscosity (mm ² /s)	@ 40°C	46.0
	@ 100°C	8.50
Viscosity Index (VI)		162
Pour Point (°C)		-22
Flash Point (°C)		198

AVAILABILITY

25 Litre – YSL025 199 Litre – YSL199

ENVIRONMENTAL PROTECTION/SAFETY PRECAUTIONS

Do not pour used oil down sewers or drains. Dispose of used oil at your nearest oil-recycling bank. Dispose of empty packs in a responsible manner. Store container in an upright position and secure when transported. Wear goggles if splashing risk. Avoid exposure to oil mist. When using oil do not eat, drink and smoke. Wash hands after use. Always refer to vehicle or engine manufacturers handbook to verify suitability of this product for the vehicle/engine.

**DISCLAIMER**

This Product Information Sheet does not constitute to any extent a fitness for purpose warranty or a quality specification. It is intended to be indicative only of the general characteristics of the product(s) and may not be relied upon (in whole or in part) in substitution of nor as a supplement to any of the information and/or instructions and/or warnings set out on the product(s) and/or on any packaging and/or in the relevant Safety Data Sheet (which is available on request).

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Any person selecting and using or causing the product(s) to be used for a specific purpose or any third party recommending the product(s) for a specific purpose without in either case first making all appropriate inquiries as to the suitability of the product(s) for the intended purpose does so at his/her/their own risk and no liability is accepted by the publisher or the product(s) manufacturer for any consequent loss, damage or injury, other than such liability as may not (by operation of law) be excluded.

This Product Information Sheet does not apply to the use of the product(s) in any combination or with other products or materials.

Users of a product or products marked "For Professional Use Only" are deemed to declare and acknowledge for themselves professional levels of skill, knowledge, competence and experience in the selection and use of such product(s).

Product Information Sheets are updated from time to time and inquiries should be made on a regular basis to ensure that this is the latest version available.

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SAFETY DATA SHEET

CARLUBE REMUS 46 HYDRAULIC OIL

1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

PRODUCT NAME CARLUBE REMUS 46 HYDRAULIC OIL
PRODUCT NO. YSL025, YSL205, YSL199
INTERNAL ID A
APPLICATION Engine oil
SUPPLIER TETROSYL LIMITED
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2 HAZARDS IDENTIFICATION

Not regarded as a health or environmental hazard under current legislation.

HUMAN HEALTH

See section 11 for additional information on health hazards.

3 COMPOSITION/INFORMATION ON INGREDIENTS

Name	EC No.	CAS-No.	Content	Classification
ZINC DIALKYLDITHIOPHOSPHATE			<0.5	N;R51/53.

The Full Text for all R-Phrases are Displayed in Section 16

4 FIRST-AID MEASURES

GENERAL INFORMATION

Remove affected person from source of contamination. Get medical attention if any discomfort continues.

NOTES TO THE PHYSICIAN

No recommendation given, but first aid may still be required in case of accidental exposure, inhalation or ingestion of this chemical. If in doubt, GET MEDICAL ATTENTION PROMPTLY!

INHALATION

Get medical attention if any discomfort continues.

INGESTION

Consult a physician for specific advice.

SKIN CONTACT

Promptly wash contaminated skin with soap or mild detergent and water. Promptly remove clothing if soaked through and wash as above.

EYE CONTACT

Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and open eyes wide apart. Do not rub eye.

5 FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA

Use fire-extinguishing media appropriate for surrounding materials.

SPECIAL FIRE FIGHTING PROCEDURES

No specific fire fighting procedure given.

CARLUBE REMUS 46 HYDRAULIC OIL**PROTECTIVE MEASURES IN FIRE**

Leave danger zone immediately.

6 ACCIDENTAL RELEASE MEASURES**PERSONAL PRECAUTIONS**

For personal protection, see section 8. In case of spills, beware of slippery floors and surfaces.

ENVIRONMENTAL PRECAUTIONS

The product should not be dumped in nature but collected and delivered according to agreement with the local authorities.

SPILL CLEAN UP METHODS

For waste disposal, see section 13. When dealing with a spillage, please consult the section relating to suitable protective measures. Provide ventilation and confine spill. Do not allow runoff to sewer. Absorb spillage with non-combustible, absorbent material.

7 HANDLING AND STORAGE**USAGE PRECAUTIONS**

Read and follow manufacturer's recommendations. Avoid spilling, skin and eye contact. Always remove grease with soap and water or skin cleaning agent, never use organic solvents. Do not eat, drink or smoke when using the product. Good personal hygiene is necessary. Wash hands and contaminated areas with water and soap before leaving the work site.

STORAGE PRECAUTIONS

Keep away from heat, sparks and open flame. Keep away from food, drink and animal feeding stuffs. Store in tightly closed original container in a dry, cool and well-ventilated place.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION**PROTECTIVE EQUIPMENT****PROCESS CONDITIONS**

Use engineering controls to reduce air contamination to permissible exposure level.

ENGINEERING MEASURES

Observe Workplace Exposure Limits and minimise the risk of inhalation of vapours.

RESPIRATORY EQUIPMENT

If ventilation is insufficient, suitable respiratory protection must be provided.

HAND PROTECTION

Use suitable protective gloves if risk of skin contact.

EYE PROTECTION

Goggles/face shield are recommended.

OTHER PROTECTION

Wear suitable protective clothing as protection against splashing or contamination.

HYGIENE MEASURES

Wash contaminated clothing before reuse. Wash at the end of each work shift and before eating, smoking and using the toilet.

9 PHYSICAL AND CHEMICAL PROPERTIES**10 STABILITY AND REACTIVITY****STABILITY**

No particular stability concerns.

11 TOXICOLOGICAL INFORMATION

CARLUBE REMUS 46 HYDRAULIC OIL**HEALTH WARNINGS**

Because of quantity and composition, the health hazard is small.

12 ECOLOGICAL INFORMATION**ECOTOXICITY**

The product components are not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

13 DISPOSAL CONSIDERATIONS**GENERAL INFORMATION**

When handling waste, consideration should be made to the safety precautions applying to handling of the product.

DISPOSAL METHODS

Dispose of waste and residues in accordance with local authority requirements. Absorb in earth or dry sand, dispose in licensed hazardous waste.

14 TRANSPORT INFORMATION**GENERAL**

The product is not covered by international regulation on the transport of dangerous goods (IMDG, IATA, ADR/RID).

15 REGULATORY INFORMATION**RISK PHRASES**

NC Not classified.

SAFETY PHRASES

S2 Keep out of the reach of children

S46 If swallowed, seek medical advice immediately and show this container or label.

UK REGULATORY REFERENCES

The Control of Substances Hazardous to Health Regulations 1988.

16 OTHER INFORMATION**GENERAL INFORMATION**

Only trained personnel should use this material.

REVISION COMMENTS

NOTE: Lines within the margin indicate significant changes from the previous revision.

ISSUED BY

HS&E Manager.

REVISION DATE

13/07/2005

REV. NO./REPL. SDS GENERATED

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RISK PHRASES IN FULL

R51/53

Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

DISCLAIMER

The information provided in this document has been compiled on the basis of our current knowledge and is believed to be in accordance with the requirements of the Dangerous Substances Directive, Dangerous Preparations Directive and Safety Data Sheets Directive. The information relates to the specific material designated and may not be valid for such material used in combination with any other materials or in any particular conditions or process. The conditions and extent of storage and use of material are outside of our control and within the control of the possessor or user. Consequently it is the responsibility of the possessor or user to satisfy themselves as to the completeness of such information and the suitability of the material for their own particular circumstances, conditions or use.