

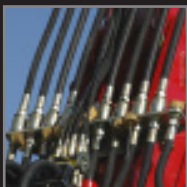
# Hydraulic & Offshore Supplies



## Sarmax ZF Oil 46 Data Sheet

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*YOUR GATEWAY TO GLOBAL SUPPLY*



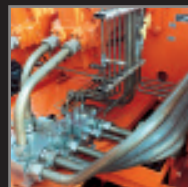
HOSE ASSEMBLIES



PRESSURE TESTING



WALFORM



EQUIPMENT PACKAGES



FLANGES



PIPE & TUBE



# Hydraulic & Offshore Supplies

## MATERIAL SAFETY DATA SHEET

Version: 2  
Last Updated: 11.12.2000  
Product Code: HZ0519  
Sheet 1 of 4

### 1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND COMPANY

Product Name: Sarmax ZF Hydraulic Oil 46

SAR LUBRICANTS

### 2. COMPOSITION / INFORMATION ON INGREDIENTS

A blend of refined mineral oil and ash free antiwear / antirust additives.

CAS No: N.A.  
Risk Phrases: N.A.  
Safety Phrases: N.A.

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### 3. HAZARD IDENTIFICATION

Not classified as hazardous.

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### 4. FIRST AID MEASURES

Eyes: Irrigate with plenty of cold water  
Skin: Wash off with copious amounts of soapy water.  
Ingestion: If more than a few drops swallowed give patient water to drink. Do not induce vomiting and seek medical advice.

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### 5. FIRE FIGHTING MEASURES

Fire Fighting Measures: Not considered flammable and does not constitute a fire hazard.  
Extinguishing Media: Carbon dioxide, dry powder, sand or foam.  
Protective Equipment For Fire Fighters: Standard.

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### 6. ACCIDENTAL RELEASE MEASURES

Always prevent entry into drains or watercourses. If allowed to enter drains or watercourses alert local water authority.  
Contain any spillages in absorbent granules, sand or sawdust.  
Disposal must be in accordance with the Environmental Protection Act 1990.



# Hydraulic & Offshore Supplies

## MATERIAL SAFETY DATA SHEET

Version: 2  
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### 7. HANDLING AND STORAGE

Do not store in areas where food and drink are taken. Keep drums tightly closed and if stored outside then store on sides in order to reduce ingress of water.

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### 8. EXPOSURE CONTROL / PERSONAL PROTECTION

In accordance with good industrial practice handle using gloves / gauntlets and standard eye protection.

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### 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical Form:	Liquid
Colour:	Pale Straw
Odour:	Bland
Boiling Point:	> 150°C
Viscosity @ 40°C:	41.4 – 50.6
Flashpoint:	> 150°C
Autoflammability:	> 150°C
Density@ 15.6°C:	0.876
Other Data:	Ash Free

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### 10. STABILITY AND REACTIVITY

Thermal Decomposition: Stable under normal conditions of use

Hazardous Reactions: None under normal conditions of use. Avoid strong acids, strong alkalis and oxidizing agents.

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# Hydraulic & Offshore Supplies

## MATERIAL SAFETY DATA SHEET

Version: 2  
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Product Code: HZ0519  
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### 11. TOXICOLOGICAL INFORMATION

Oral: Expected to possess a relatively low degree of acute oral toxicity. LD50 expected to be > 2000 mg/kg.

Dermal: Expected to be relatively non-toxic by dermal route.

Inhalation: N.A.

Skin: Expected to be essentially non-irritating.

Eye: Expected to be essentially non-irritating

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### 12. ECOLOGICAL INFORMATION

Biodegradation: No Data  
Fish Toxicity: No Data  
Bacterial Toxicity: No Data  
WGK Class: 0 or 1 – Self Classification

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### 13. DISPOSAL CONSIDERATIONS

All means of disposal should comply with local regulations and the Environmental Protection Act 1990. Dispose of the product and container carefully and responsibly.

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### 14. TRANSPORT INFORMATION

UN Name: N.A.  
UN Number: N.A.  
IMDG Code / Class: Non Hazardous  
ICAO / IATA (Air) Class: Non Hazardous  
RID / ADR: Non Hazardous  
ADNR Class: Non Hazardous

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# Hydraulic & Offshore Supplies

## **MATERIAL SAFETY DATA SHEET**

Version: 2  
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### 15. REGULATORY INFORMATION

Risk Phrases: None  
Safety Phrases: None  
Occupational Exposure Limits: None

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### 16. OTHER INFORMATION

Legislation: Chemical (Hazards, Information and Packaging) Regulations 1993  
Environmental Protection Act 1990, Control Of Pollution Act 1974  
The Environmental Protection (Duty Of Care) Regulations 1991