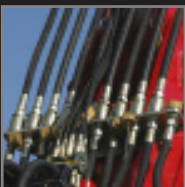


Hydraulic & Offshore Supplies



Sarmax Hydraulic Oil Data Sheets

YOUR GATEWAY TO GLOBAL SUPPLY



HOSE ASSEMBLIES



PRESSURE TESTING



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Hydraulic & Offshore Supplies

MATERIAL SAFETY DATA SHEET

Version 2

Last Updated: 11.12.2000

Product Code: Product Code: HY0252, HY0103, HY0153, HY0138,
HY0013, HY0036, HY0037

Sheet 1 of 4

1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND COMPANY

Product Name: Sarmax Hydraulic Oil –ISO 5, 10, 15, 22, 32, 46 & 68

SAR LUBRICANTS

2. COMPOSITION / INFORMATION ON INGREDIENTS

A blend of refined mineral oil and a multipurpose hydraulic oil additive package.

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

SAR LUBRICANTS

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.

SAR LUBRICANTS

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.

SAR LUBRICANTS

6. ACCIDENTAL RELEASE MEASURES

Always prevent entry into drains or water courses. 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.



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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

	5	10	15	22	32	46	68
Physical Form	Liquid	Liquid	Liquid	Liquid	Liquid	Liquid	Liquid
Colour	Pale Straw	Pale Straw	Pale Straw	Pale Straw	Pale Straw	Pale Straw	Pale Straw
Odour	Bland	Bland	Bland	Bland	Bland	Bland	Bland
Boiling Point	>150°C	>150°C	>150°C	>150°C	>150°C	>150°C	>150°C
Viscosity @ 40	4.5 -5.5	9 -11	13.5 -16.5	20 -24	28.8 -35.2	41.4 -50.6	61.2 -74.8
Flashpoint	>150°C	>150°C	>150°C	>150°C	>150°C	>150°C	>150°C
Autoflammability	>150°C	>150°C	>150°C	>150°C	>150°C	>150°C	>150°C
Density @ 15°C	0.819	0.861	0.855	0.866	0.876	0.876	0.877

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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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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

SAR LUBRICANTS

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.

SAR LUBRICANTS

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

SAR LUBRICANTS

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15. REGULATORY INFORMATION

Risk Phrases: None

Safety Phrases: None

Occupational Exposure Limits: None

SAR LUBRICANTS

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