

**SAFETY REGULATIONS SHEET**  
(according to 91/155/CEE modified by 93/112CE)Date: 03/06/2008  
Version: 72.01**1. IDENTIFICATION OF THE PRODUCT AND MANUFACTURER**

Number of Safety Data Sheet

72.IN.01

Tradename:

Hydraulic oil

Product code:

6090

Manufacturer's name and address:

ROTHENBERGER, S. A.

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Chemical description

Hydraulic fluid, prepared from refined paraffinic mineral oil  
, antioxidant, anticorrosive, antifoam and antiwear additives.

CAS Nr:

Not applicable

**3. INDICATIONS OF POSSIBLE DANGERS**

Main hazards:

Not classified as hazardous substance / preparation according to  
EU directive.**4. FIRST AID MESURES**

Eye contact:

Rinse with plenty of fresh water for 15 minutes with eyelids open.

Skin contact:

Wash with water and soap. Change contaminated clothes.

Inhalation:

Breath fresh air

Ingestion:

Do not induce vomit. Take water or milk. Seek medical advice.

**5. FIRE PRECAUTIONS**

Adequate extinguishing media:

Carbon dioxide (CO<sub>2</sub>), dry powder, foam. Water spray to cool  
containers.

Inadequate extinguishing media:

Pressure water jet

Special protection clothing:

Regular firefighting clothing

**6. MEASURES TO TAKE IN CASE OF ACCIDENTAL DISPERSION OR SPILLAGE**

Personal protection:

Avoid eye contact. Remove contaminated equipment. Collect  
properly to prevent slip hazards.

Environmental protection:

Prevent the product from entering the sewage and drinking water  
systems.

Cleaning / collection methods:

Collect with absorbent material and dispose of adequately.

**7. HANDLING AND STORAGE**

Handling:

No special protection required

Storage:

Keep containers closed and between -5 and 40 °C

**8. EXPOSURE CONTROL / INDIVIDUAL PROTECTION**

General protection / hygiene measures:

Respiratory protection	Not required for the application range
Hand protection:	Gloves for very long exposures
Eye protection:	No special protection required
Body protection:	Closed clothing and foot wear

**9. CHEMICAL PHYSICAL PROPERTIES**

Physical state	Liquid
Colour	Clear amber
Odour:	Characteristic
Boiling point (°C)	>300
Freezing point (°C)	-34
Flash point (°C)	>170
Solubility in water (20°C)	Insoluble
pH	Not applicable
Density (20°C)	0.87 +/- 0.02 g/ml
Viscosity (40°C)	29-35 cSt

**10. STABILITY AND REACTIVITY**

Stability:

Good

Conditions to be avoided:

Ignition sources. Water entry.

Materials to be avoided:

Strong acids and oxidant agents.

Dangerous decomposition products:

None in normal conditions of use. In combustion  
CO, CO<sub>2</sub>.**11. TOXICOLOGIC INFORMATION**

Acute toxicity

(LD<sub>50</sub> in rats) greater than 5 gr/Kg.

Skin contact:

No primary irritation is produced, but as with every mineral oil  
based product, prolonged skin contact must be avoided, to  
minimise degreasing

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Limit of exposure to oil mists  
5 mg/m<sup>3</sup>

Class	Not applicable
Number / letter	Not applicable
Danger plate	Not applicable
Substance	
Risk	

**12. ECOLOGIC INFORMATION**

Ecological toxicity:

No quantitative data available, but the product is deemed noxious for the aquatic life. It produces an impervious film preventing oxygen from getting through.

Environmental behaviour

The product is biodegradable, and shall not be dumped directly into the sewage system or on the ground. It shall be managed as heavy oil, according to current regulations in force.

Bio accumulative potential:

Data not available

**13. DISPOSAL CONSIDERATIONS**

Product:

Disposal to be managed as used oil according to current local and national legislation in force.

Packaging:

Deliver to official waste disposal site for recovery or removal.

**14. TRANSPORT INFORMATIONS**

Road/Air/Sea transportation:

Not classified as hazardous product

**15. INFORMATIONS ON THE REGULATIONS**

Symbol

Label not required according to current legislation: 93/21/CEE;  
94/69/CEE; RD 363/

Series R

Series S

Special regulations

**16. FURTHER INFORMATION**

The information contained herein is based on data considered to be accurate as of the date of preparation and do not represent any warranty of the properties. In any case it is user responsibility to determine the application or the adequacy of said information to his particular own use.