Selection 1: Identification of the substance/micture and of the company/undertaking

1.1 Product identifier
Eurolub HLP 100

1.2 Relevant identified uses of the substance or mixture and uses advised against
Relevant identified uses: hydraulic oil
Uses advised against: no uses known

1.3 Details of the supplier of the safety data sheet
Eurolub GmbH
Freisinger Str. 25 – 27
D – 85386 Eching
+49 (0) 8165 / 9591 - 0
info@eurolub.com www.eurolub.com

1.4 Emergency telephone number:
Mo – Do 9 – 15 h, Fr 9 – 12 h
Tel. +49 (0) 8165 / 9591 – 0

Selection 2: Hazards Identification

2.1 Classification of the substance or mixture
This mixture is not classified as hazardous according to Regulation (EC) No. 1272/2008.

2.2 Label elements

2.3 Other Hazards
Product can build up a film on the water surface which can inhibit the oxygen exchange. See also sections 11, 12 and 15

Selection 3: Composition/Information on Ingredients

3.1 Substances: Not applicable

3.2 Mixtures: Additive, mineraloil
All concentrations are quoted as mass percentages for liquids and volume percentages for gases. Other substances which are not classified as dangerous are contained up to 100 %. This mixture does not contain any substance classified as dangerous, whose concentration exceeds the concentration limits described in article 3.2.2 (annex II, VO 1907/2006/EU).
Full text of R- and H-phrases: see section 16.

Selection 4: First-Aid-measures

4.1. Description of first aid measures
General information:
In all cases of doubt, or when symptoms persist, seek medical advice. Never give anything by mouth to an unconscious person or a person with cramps.
After inhalation:
Remove casualty to fresh air and keep warm and at rest. In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).
After contact with skin:
After contact with skin, wash immediately with plenty of water and soap. Remove contaminated clothing immediatley and dispose off safely. In case of skin irritation, seek medical treatment.
After contact with eyes:
In case of contact with eyes, rinse immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart. Subsequently consult an ophthalmologist.
After ingestion:

Do NOT induce vomiting. Call a physician immediately. Aspiration hazard:

4.2. Most important symptoms and effects, both acute and delayed

No data available

4.3. Indication of any immediate medical attention and special treatment needed

No data available

Selection 5: Firefighting measures

5.1. Extinguishing media

5.1.1 Suitable extinguishing media: Carbon dioxide. Foam. Dry extinguishing powder. Use water spray jet to personnel and to cool endangered containers.

5.1.2 Unsuitable extinguishing media: water.

5.2. Special hazards arising from the substance or mixture

The formation of combustible vapours is possible at temperatures above: Flash point. Hot product may produce flammable vapours.
In case of fire may be liberated:
Pyrolysis products, toxic. Hydrocarbons. Carbon dioxide. Carbon monoxide. Hydrogen sulphide (H2S). Nitrogen oxides (NOx). Phosphorus oxides. Smoke.

5.3. Advice for firefighters

In case of fire: Wear self-contained breathing apparatus. Full protective suit. Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.
Additional information: Burning liquid or melting substances.

Selection 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Provide adequate ventilation as well as local exhaustion at critical locations. Keep away from sources of ignition. - No smoking. Avoid contact with skin and eyes. Conditions to avoid: Inhalation. Do not put any product-impregnated cleaning rags into your trouser pockets. High slip hazard because of leaking or spilled product.

6.2. Environmental precautions

Prevent spread over a wide area (e.g. by containment or oil barriers). Do not empty into drains. If product enters soil, it will be mobile and may contaminate groundwater.

6.3. Methods and material for containment and cleaning up

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents).
Treat the recovered material as prescribed in the section on waste disposal.

6.4. Reference to other sections

See section 8 and 13

Selection 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling:
See section 6.1
Avoid contact with skin and eyes.
Keep away from sources of ignition. - No smoking.
Wash hands before breaks and after work.
All work processes must always be designed so that the following is excluded:
Generation/formation of mist

Advice on protection against fire and explosion:
Take precautionary measures against static discharges.

Further information on handling:
Do not put any product-impregnated cleaning rags into your trouser pockets. The formation of combustible vapours is possible at temperatures above: Flash point

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels: Keep/Store only in original container

Advice on storage compatibility: Do not store together with: Spontaneous combustion
Further information on storage conditions:
Protect from moisture. Keep in a cool place. Keep only in the original container at temperature not exceeding 50°C
7.3. Specific end use(s)
Observe technical data sheet.

Selection 8: Exposure controls/personal protection

8.1. Control parameters
8.2. Exposure controls
Appropriate engineering controls: Provide adequate ventilation as well as local exhaustion at critical locations.
Protective and hygiene measures: Take off immediately all contaminated clothing.
Wash hands before breaks and after work. Contaminated materials should be removed from the workplace at the end of each working day and be stored outside.
Eye/face protection: Tightly sealed safety glasses. German Industry Norms (DIN) / European Norms (EN): DIN EN 166
Hand protection: Examples of suitable protective gloves with the following specification (test according to EN 374)
In full contact / splash contact:
Camatril (material: nitrile, Minimum coat thickness: 0.33 mm, Breakthrough time: 480 min)
Dermatril (material: nitrile, Minimum coat thickness: 0.11 mm, Breakthrough time: 30 min)
The selected protective gloves have to satisfy the specifications of EU Directive 89/686 / EEC and the resultant standard EN374.
Protect skin by using skin protective cream.
Skin protection: The type of personal protection equipment has to be chosen based on the concentration and amount of the dangerous substance at the workplace. For the protection against direct skin contact, body protective clothing is essential (in addition to the usual working clothes). Chemical resistant safety shoes. with lead protection cap.
German Industry Norms (DIN) / European Norms (EN): DIN EN 344
Respiratory protection: With correct and proper use, and under normal conditions, breathing protection is not required.
Generation/formation of mist: Filtering device with filter or ventilator filtering device of type: A-P2.
Environmental exposure controls: Technical measures to prevent exposure.
Organisational measures to prevent exposure.

Selection 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state	Liquid
Odour	Characteristic
Colour	yellow, brown
Initial boiling point and boiling range:	> 320°C
Pour Point:	-24°C
Flash point	>240°C (DIN ISO 2592)
Lower explosion limits:	0,6 vol. %
Upper explosion limits:	6,5 vol. %
Ignition temperature:	>250 °C (ASTM E 659)
Density (at 15 °C):	868 – 888 g/cm³ (DIN 53217)
Viscosity / kinematic (at 40°C):	90 – 110 mm²/s (DIN 51562)
Solubility in other solvents:	insoluble in: water

9.2 Other information
No data available

Selection 10: Stability and reactivity

10.1. Reactivity

See section: 9

10.2. Chemical stability

If product is stored and handled as prescribed it is stable.

10.3. Possibility of hazardous reactions

The information of combustible vapours is possible at temperatures above: Flash point.

10.4. Conditions to avoid

Oxidizing agents, strong.

10.5. Incompatible materials

No data available.

10.6. Hazardous decomposition products

See sections 5.3

Selection 11: Toxicological information

11.1. Information on toxicological effects:

Toxicocinetics, metabolism and distribution: There are no data available on the preparation itself.
Acute toxicity: Classification: none. The classification was carried out according to the calculation method of the regulation (EC) 1272/2008 [CLP].
Irritation and corrosivity: Classification: none. The classification was carried out according to the calculation method of the regulation (EC) 1272/2008 [CLP].
Sensitising effects: Classification: none. Frequently or prolonged contact with skin may cause dermal irritation.
Severe effects after repeated or prolonged exposure: Classification: none. The classification was carried out according to the calculation method of the regulation (EC) 1272/2008 [CLP].
Carcinogenic / mutagenic / toxic effects for reproduction: This substance does not meet the criteria for classification as CMR category 1A or 1B according to CLP.
STOT-repeated exposure: Classification: none. The classification was carried out according to the calculation method of the regulation (EC) 1272/2008 [CLP].
Specific effects in experiment on an animal: There are no data available on the preparation / mixture itself.
Additional information on tests: Frequently or prolonged contact wih skin may cause dermal irritation.

Selection 12: Ecological information

12.1 Toxicity:

There are no data available on the preparation/mixture itself. Classification: none.
The classification was carried out according to the calculation method of the regulation (EC) 1272/2008 [CLP].

12.2 Persistence and degradability

Not easily bio-degradable (according to OECD-criteria). Product is not easily biodegradable. (Data apply to the main component.)

12.3 Bioaccumulative potential

There are no data available on the preparation/mixture itself.

12.4 Mobility in soil

There are no data available on the preparation/mixture itself.

12.5 Results of PBT and vPvB assessment

The components in this formulation do not meet the criteria for classification as PBT or vPvB.

12.6 Other adverse effects

Effects in sewage plants: Mechanical separation in a suitable sewage plant is possible.

Selection 13: Disposal considerations

13.1. Waste treatment methods
Advice on disposal: Dispose of waste according to "Kreislaufwirtschafts- und Abfallgesetz (KrW-/AbfG)". Observe mixture permissions according to "Altölverordnung (Waste oil directive)". Waste disposal according to EC Directives 75/442/EEC and 91/689/EEC on waste and hazardous waste in their latest versions. According to EAKV, allocation of waste identity numbers/waste descriptions must be carried out in a specific way for every industry and process.
Waste disposal number of waste from residues/unused products
130110 OIL WASTES AND WASTES OF LIQUID FUELS (except edible oils, and those in chapters 05, 12 and 19); waste hydraulic oils; mineral based non-chlorinated hydraulic oils Classified as hazardous waste.
Waste disposal number of used product
130110 OIL WASTES AND WASTES OF LIQUID FUELS (except edible oils, and those in chapters 05, 12 and 19); waste hydraulic oils; mineral based non-chlorinated hydraulic oils Classified as hazardous waste.
Waste disposal number of contaminated packaging
130110 OIL WASTES AND WASTES OF LIQUID FUELS (except edible oils, and those in chapters 05, 12 and 19); waste hydraulic oils; mineral based non-chlorinated hydraulic oils Classified as hazardous waste.
Contaminated packaging
Dispose of waste according to applicable legislation. Non-contaminated packages may be recycled. Packing which cannot be properly cleaned must be disposed of.

Selection 14: Transport Information

Other applicable information:
No dangerous good in sense of these transport regulations.

Selection 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
Water contaminating class (D): 1 – slightly water contaminating
15.2 Chemical safety assessment
Chemical safety assessments for substances in this mixture were not carried out.

Selection 16: Other Information

Further information:

The information is based on present level of our knowledge. It does not, however, give assurances of product properties and establishes no contract legal rights.

(*The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.*)