

SAFETY DATA SHEET

SECTION 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier

Hydraul SHS 46

1.2 Relevant identified uses of the substance or mixture and uses advised against

Hydraulic oil

1.3 Details of the supplier of the safety data sheet

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| Supplier | Agro Oil Box 30192 104 25 Stockholm, Sweden Telephone +46 (0)10-556 00 00 E-mail info@agrol.se |
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1.4 Emergency telephone number

In emergency situations, contact National Poisons Information Service

SECTION 2. HAZARD IDENTIFICATION

2.1 Classification of the substance or mixture

The product does not meet the criteria for classification according to Regulation (EC) No 1272/2008 (CLP).

2.2 Label elements

EUH210. Safety data sheet available on request.

2.3 Other hazards

Repeated exposure may cause skin dryness.

SECTION 3. COMPOSITION/INFORMATION OM INGREDIENTS

3.2 Mixtures**Classification according to Regulation (EC) No 1272/2008 [CLP]**

| Name | EC no. | CAS no. | REACH reg no. | % (w/w) | Hazard statements |
|---|-----------|------------|------------------|---------|-------------------|
| Distillates (petroleum), hydrotreated heavy paraffinic* | 265-157-1 | 64742-54-7 | 01-2119484627-25 | 70-99 | - |
| Heavily refined mineral oil (C15 - C50)* ¹ | - | - | ** | 1-10 | - |

*Contains less than 3% DMSO extract and is therefore not classified as carcinogenic.

1) Contains one or more of the following EC no.: 265-090-8, 265-091-3, 265-096-0, 265-097-6, 265-098-1, 265-101-6, 265-155-0, 265-156-6, 265-157-1, 265-158-7, 265-159-2, 265-160-8, 265-166-0, 265-169-7, 265-176-5, 276-736-3, 276-737-9, 276-738-4, 278-012-2.

** Contains one or more of the following REACH registration no: 01-2119488706-23, 01-2119487067-30, 01-2119487081-40, 01-2119483621-38, 01-2119480374-36, 01-2119488707-21, 01-2119467170-45, 01-2119480375-34, 01-2119484627-25, 01-2119480132-48, 01-2119487077-29, 01-2119489287-22, 01-2119480472-38, 01-2119471299-27, 01-2119485040-48, 01-2119555262-43, 01-2119495601-36, 01-2119474889-13, 01-2119474878-16.

Other information

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SECTION 4. FIRST AID MEASURES

4.1 Description of first aid measures

After inhalation: Fresh air and rest. If difficulties in breathing get medical advice.
 After eye contact: Rinse the eyes gently with water. If symptoms persist consult a doctor.
 After skin contact: Take off contaminated clothing. Wash skin with soap and water
 After ingestion: Rinse mouth and drink water. Do **not** induce vomiting. Contact a doctor if experiencing symptoms.

4.2 Most important symptoms and effects, both acute and delayed

Inhalation: In case of overheating, smoke and fumes appear irritating to the upper respiratory tract and lungs.
 Eye: May cause mild eye irritation.
 Skin: Repeated and prolonged contact may appear dehydrating on the skin and cause redness, skin cracking and eczema (dermatitis).
 Ingestion: Small amounts are not expected to produce any acute or delayed symptoms. Large amounts may cause nausea and vomiting.

4.3 Indication of any immediate medical attention and special treatment needed

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SECTION 5. FIREFIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media: Can be extinguished using dry powder, foam or carbon dioxide.
Unsuitable extinguishing media: Do not use direct water jet.

5.2 Special hazards arising from the substance or mixture

In case of fire, toxic and corrosive gases may develop.

5.3 Advice for firefighters

Precautions according to the standard procedure for chemical fires. Use water **only** to cool down containers that are exposed to fire.

SECTION 6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Avoid contact with eyes and skin.

6.2 Environmental precautions

Do not allow discharge to enter sewers, watercourses or the ground.

6.3 Methods and material for containment and cleaning up

Contain/absorb spillages with suitable absorbent material such as sand or active clay.

6.4 Reference to other sections

See Section 8 for Exposure controls / personal protection and Section 13 for disposal considerations..

SECTION 7. HANDLING AND STORAGE

7.1 Precautions for safe handling

Avoid prolonged or repeated contact with skin.
Do not reuse soiled clothing unless laundered.
Avoid inhalation of vapours, mist or fumes.

7.2 Conditions for safe storage, including any incompatibilities

Containers must be kept tightly closed and sealed. Keep out of reach of children.

7.3 Specific end use

See Section 1.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Exposure limits according to National regulations

Contains no substances with occupational exposure limits in the workplace. This information refers to Great Britain.¹ For other countries, refer to national legislation.

¹For Great Britain see: Health and Safety Executive EH40/2005 Workplace exposure limits (forth edition, published 2020). Published by the Health and Safety Executive. OELs for oil mist have been omitted from the published 2018 list.

8.2 Exposure controls

Appropriate technical measures

Ensure adequate ventilation. Methods are designed to prevent direct contact.

Personal protection

Respiratory protection: Usually not needed.
Eye/face protection: Wear eye protection (safety glasses with side shields or full face shield) when risk of splashing.
Skin protection: Wear protective gloves (nitrile or PVC) and protective clothing.

Environmental exposure control

Prevent discharges into drains.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

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|---|----------------------------------|
| Appearance: | Light to brownish oil |
| Odour: | Petroleum |
| Odour treshold: | No information |
| pH: | Not applicable |
| Melting point / freezing point: | Not available |
| Initial boiling point and boiling range: | Not available |
| Flash point: | ≥185 °C (open cup) |
| Evaporation rate: | Not available |
| Flammability (solid, gas): | Not relevant |
| Upper / lower flammability or explosive limits: | No information |
| Vapour pressure: | Not available |
| Vapour density: | Not available |
| Density: | 0.871 kg/L (15 °C) |
| Solubility in water: | Insoluble |
| Solubility in organic solvents | Soluble in hydrocarbons |
| Partition coefficient, n-octanol/water: | Not available |
| Decomposition temperature: | No information |
| Auto-ignition temperature: | No information |
| Viscosity, kinematic: | 42-50 mm ² /s (40 °C) |
| Explosive properties: | Not explosive |
| Oxidising properties: | Not applicable |



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9.2 Other information

None.

SECTION 10. STABILITY AND REACTIVITY

10.1 Reactivity

The product is not reactive under normal conditions.

10.2 Chemical stability

The product is stable under normal conditions.

10.3 Possibility of hazardous reactions

None known.

10.4 Conditions to avoid

None specific.

10.5 Incompatible materials

The product may react with strong oxidizing agents.

10.6 Hazardous decomposition products

No hazardous decomposition products known.

SECTION 11. TOXIKOLOGICAL INFORMATION

11.1 Information on toxikological effects

Acute toxicity

Not considered to be acutely toxic.

Corrosive / irritating on the skin

Repeated and prolonged contact may appear dehydrating on the skin and cause redness, skin cracking and eczema (dermatitis).

Serious eye damage / irritation

May cause mild eye irritation.

Respiratory / skin sensitization

Not considered sensitizing.

Germ cell mutagenicity

It is considered not to cause mutations in germ cells.

Carcinogenicity

Not considered to be carcinogenic.

Toxic to reproduction

Not considered to be toxic to reproduction.



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Specific organ toxicity-single exposure

In case of overheating, smoke and fumes appear irritating to the upper respiratory tract and lungs.

Specific organ toxicity-repeated exposure

No information available.

Aspiration Hazard

Not classified as hazardous when inhaled based on the viscosity of the product and content of relevant substances.

SECTION 12. ECOLOGICAL INFORMATION

The product is not classified as hazardous to the environment.

12.1 Toxicity

No data available.

12.2 Persistence and degradability

The product is not rapidly biodegradable.

12.3 Bioaccumulative potential

No data available.

12.4 Mobility in soil

The product is insoluble in water and is not considered to be mobile in soil.

12.5 Results of PBT och vPvB assessment

Based on available information, this mixture contains no substance that meets the PBT or vPvB criteria according to Annex XIII to Regulation (EC) No. 1907/2006 (REACH).

12.6 Other adverse effects

None known.

SECTION 13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Product

Product residues, spills etc. are classified as hazardous waste. Disposal, transportation, storage and handling of the waste must be in accordance with national regulations. Product waste must not be allowed to contaminate soil or water, or released into the environment.

Suggested waste code (EWC): 13 02 10: Mineral-based non-chlorinated hydraulic oil.

Packaging

EWC-code: 15 01 02, Plastic packaging

EWC-code: 15 01 04, Metallic packaging

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Packaging containing product residues that are not drip dry must be handled as hazardous waste and disposed of properly sealed.

EWC-code: 15 01 10, Packaging containing residues of or contaminated by hazardous substances.

SECTION 14. TRANSPORT INFORMATION

The product is not covered by the regulations for the transport of dangerous goods.

SECTION 15. REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

This safety data sheet is prepared in accordance with the EUROPEAN PARLIAMENT AND COUNCIL REGULATION (EC) No 1907/2006 of 18 December 2006 concerning the registration, evaluation, authorization and restriction of chemicals (REACH) and Commission Regulation (EU) No 2015/830 of 28 May 2015 amending the European Parliament and Council Regulation (EC) No 1907/2006 on the registration, evaluation, authorization and restriction of chemicals (REACH).

Regulations

Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substance and mixtures (CLP).

Commission Regulation (EU) No 1357/2014 of 18 December 2014 replacing Annex III to Directive 2008/98/EC of the European Parliament and of the Council on waste.

15.2 Chemical safety assessment

No Chemical Safety Assessment has been carried out for this substance/mixture by the supplier.

SECTION 16. OTHER INFORMATION

Classification procedure

Test data is prioritized when classifying the product. When no test data are available the classification criteria in Regulation (EC) No 1272/2008 of the European Parliament and of the Council on classification, labelling and packaging of substances and mixtures (CLP) have been used.

Hazard statements in Section 3

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Abbreviations

| | |
|------------|--|
| BCF | Bio Concentration Factor |
| BOD5/COD | Biological Oxygen Demand 5 days/Chemical Oxygen demand |
| BOD (MITI) | Biological Oxygen Demand |
| DNEL | Derived No Effect Level |
| EC50 | Effective Concentration (concentration that gives response in 50% of test subjects) |
| ECHA | European Chemical Agency |
| EmS | Emergency Schedule Information |
| IARC | International Agency for Research on Cancer |
| IC50 | Inhibitory Concentration (concentration that shows inhibition in 50% of the test subjects) |
| LC50 | Lethal Concentration (concentration causing the death of 50% of a group of test animals) |



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| LD50 | Lethal Dose (dose causing the death of 50% of a group of test animals) |
| Log Pow | Partition coefficient of octanol - water |
| MITI | Ministry of International Trade and Industry, Japan |
| NOEC | No Observed Effect Concentration |
| NOAEC | No Observed Adverse Effect Concentration |
| NOAEL | No Observed Adverse Effect Level |
| OECD | Organisation for Economic Co-operation and Development |
| PBT | Persistent Bio-accumulative and Toxic substance |
| PNEC | Predicted No Effect Concentration |
| STEL | Short Term Exposure Limit |
| SVHC | Substance of Very High Concern |
| TWA | Time-weighted average |
| vPvB | very Persistent and very Bioaccumulative |

Advice on education

The user of this product should have training that is relevant to the properties of the product and relevant use.

References

Information from the supplier: SDS in Swedish, revision no 2.
Classification & Labelling Inventory Database, ECHA.
Registered substances, ECHA.

Version description

The information has been modified under the following sections in the safety data sheet: 3, 8, 9, 16.

The safety data sheet is dated 28.04.2021 and replaces version dated 02.01.2020.