

Safety Data Sheet

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

1.1 Identification of the substance or preparation

Hydraul LHM+

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

Hydraulic fluid

1.3 Details of the Supplier of the Safety Data Sheet

Supplier Agro Oil
Box 30192
104 25 Stockholm, Sweden
Phone +46 (0)10-556 00 00
E-mail info@agrol.se

1.4 Emergency telephone number

112 (Within EU)

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Classification in accordance with 1272/2008

Aspiration hazard –category 1.

H 304 - May be fatal if swallowed and enters airways.

Classification in accordance with 1999/45/EC

Not Classified

2.2 Label elements

Hazard pictogram



Signal word

Danger

Hazard statement

H304 –May be fatal if swallowed and enters airways.

Precautionary statement

P102 - Keep out of reach of children.

HYDRAUL LHM+

P301 + 310 If swallowed, immediately call a poison centre or doctor/physician and have container or label at hand.

P331 Do NOT induce vomiting.

P405 Store locked up.

P501 - Dispose of contents container to authorized waste treatment plant in accordance with local regulations.

Contains: Distillates (petroleum), CAS-nr 72623-86-0 and 64742-46-7.

2.3 Other Hazards

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3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

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

Name	EC no	CAS-no	Weight %	Classification
Lubricating oil (petroleum) C15-30 Hydrotreated neutral oil-based	232-455-8	72623-86-0	60-100	Aspiration toxicity –Cat 1; H304
Distillates (petroleum), C11-25, hydrotreated middle	265-148-2	64742-46-7	10-30	Aspiration toxicity –Cat 1; H304
Ethyl 3-[[Bis(methylethoxy) phosphinothio]thio] propionate	275-965-6	71735-74-5	0-1	Aquatic chronic –Cat 2; H411.

Classification according to 67/548/EEC or 1999/45/EC

Name	EC no	CAS-no	Weight %	Symbols	Risk phrases
Lubricating oil (petroleum) C15-30 Hydrotreated neutral oil-based	232-455-8	72623-86-0	60-100	-	-
Distillates (petroleum), C11-25, hydrotreated middle	265-148-2	64742-46-7	10-30	Xn	R65
Ethyl 3-[[Bis(methylethoxy) phosphinothio]thio] propionate	275-965-6	71735-74-5	0-1	N	R51/53

See Section 16 for explanation of the classification codes.

Petroleum product –DMSO extract <3% by weight.

4. FIRST AID MEASURES

HYDRAUL LHM+

4.1 Description of first aid measures

Inhalation	Remove to fresh air. Seek medical attention if any discomfort continues.
If swallowed	Rinse mouth with water. Then drink plenty of water. Do not induce vomiting. Obtain medical advice immediately.
Contact with eyes,	Flush the eyes gently with water.
Skin contact	Remove contaminated clothing. Wash skin with soap and water.

4.2 The most important symptoms and effects, both acute and delayed

Inhalation	If overheated, fumes and vapors can irritate the upper respiratory tract.
Swallowing	May cause discomfort if swallowed.
Skin	Repeated exposure may cause skin irritation.
Eye	Irritation.

4.3 Indication of any immediate medical attention and special treatment needed

Not applicable

5. FIRE-FIGHTING 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

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5.3 Advice for firefighters

Use water ONLY to cool containers.

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 drains, sewers or ground.

6.3 Methods and materials for containment and cleaning up

Contain/absorb any spill with an appropriate absorbent material such as sand or clay.

6.4 Reference to other sections

See Sections 8 and 13 for information on protective equipment and waste disposal.

7. HANDLING AND STORAGE

7.1 Precautions for safe handling

HYDRAUL LHM+

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

7.2 Conditions for safe storage, including any incompatibilities

Containers must be kept tightly closed and sealed.

7.3 Specific end uses

Not relevant

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

See national legislation

Mixture (as mineral oil mist) –Due to the low vapour pressure of the preparation vapour is not generally a problem at ambient temperature.

Country	8 hours	15 min
Australia	5 mg/m ³	
Austria	5 mg/m ³	
Belgium	5 mg/m ³	
Canada	5 mg/m ³	10 mg/m ³
Denmark	1 mg/m ³	2 mg/m ³
Hungary		5 mg/m ³
Latvia	5 mg/m ³	
New Zealand	5 mg/m ³	10 mg/m ³
Spain	5 mg/m ³	10 mg/m ³
Sweden	1 mg/m ³	3 mg/m ³
The Netherlands	5 mg/m ³	
USA	5 mg/m ³	10 mg/m ³
UK (not current) *	5 mg/m ³	10 mg/m ³

*For Britain see: Health and Safety Executive EH40/2005 Workplace exposure limits (Second edition, published 2011). Published by the Health and Safety Executive

8.2 Exposure controls

8.2.2 Personal protection equipment

Respiratory protection	Avoid inhalation of vapours, fumes and mist by observing suitable handling regulations and adequate ventilation.
Skin protection	Wear clean work clothes and protective gloves made of PVC or Nitrile.
Eye protection	If risk of splashing wear safety glasses

8.2.3 Limiting environmental exposure level

For impact on the environment, see Section 12.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Form: Oily liquid

HYDRAUL LHM+

Color:	Bright green
Solubility in water:	Insoluble
Flash Point, °C:	>110 (IP35)
Density, 20 °C, kg/m ³ :	840
Viscosity, Kinematic, 40 °C, mm ² /s:	19
Auto-Ignition temperature, °C, ASTM D 286	>350
Decomposition Temperature, °C	>250
Partition Coefficient (Log POW)	>3 (OECD 117)
Boiling Range, °C	250–380
Vapour Pressure, kPa at 20°C	<0.1 (Reid)

9.2 Other information

None

10. STABILITY AND REACTIVITY

10.1 Reactivity

May react with strong oxidizing agents

10.2 Chemical stability

Components are stable

10.3 Possibility of hazardous reactions

No information

10.4 Conditions to avoid

No information

10.5 Incompatible materials

No information

10.6 Hazardous decomposition products

Thermal decomposition or incomplete combustion may produce oxides of carbon and irritating fumes.

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

11.1.1 Acute Toxicity

Ingestion -Product is of low acute oral toxicity – LD50 (oral) Rat = > 2000 mg/kg. Symptoms of overexposure include nausea, vomiting or diarrhoea.

12. ECOLOGICAL INFORMATION

12.1 Toxicity

LC50 Fish 96h:> 5000 mg / l Species: Oncorhynchus mykiss (Distillates (petroleum), solvent dewaxed heavy paraffinic)

Contains a small amount of additive components classified as hazardous to the aquatic environment.

HYDRAUL LHM+

12.2 Persistence and degradability

Not readily biodegradable.

12.3 Bioaccumulative potential

Base oil hydrocarbons possibly accumulative. Log P_{ow} > 6.

12.4 Mobility in soil

Insoluble in water on which it floats. Does not evaporate from water or soil. Limited mobility in soil but some components may penetrate the soil and cause groundwater pollution.

12.5 Results of PBT and vPvB assessment

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12.6 Other adverse effects

No information

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Product residues, waste, etc. are classified as hazardous waste. Waste product should not pollute the soil, water or being released into the environment.

EWC code: 13 01 10 (mineral oil)

14. TRANSPORT INFORMATION

14.1 UN-number

Not classified as hazardous goods

14.2 UN proper shipping name

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14.3 Transport hazard class(es)

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14.4 Packing group

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14.5 Environmental hazards

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14.6 Special precautions for user

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14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable.

15. REGULATORY INFORMATION

HYDRAUL LHM+

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

Classified according to CLP (EU) no. 1272/2008

15.2 Chemical Safety Assessment

Chemical Safety Assessment has not been conducted

16. OTHER INFORMATION

Relevant R-phrases and H-statements

R22 –Harmful if swallowed.

R40 –.Limited evidence of a carcinogenic effect.

R50/53 –Very toxic to aquatic organisms and may cause long-term adverse effects in the aquatic environment.

N51/53 -.Toxic to aquatic organisms and may cause long-term adverse effects in the aquatic environment

H304 –May be fatal if swallowed and enters airways.

H411 – Toxic to aquatic life with long lasting effects.

Label elements in accordance with 1999/45/EC

P13 - Safety data sheet available for professional user on request.