

Safety Data Sheet

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

1.1 Identification of the substance or preparation

HYBRAN SYNTET

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

Transmission 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 Regulation No. 1272/2008

Aquatic Chronic 3 H412

2.2 Label elements

Label elements in accordance with Regulation No. 1272/2008

H412 Harmful to aquatic life with long lasting effects.

P102 Keep out of reach of children.

P273 Avoid release to the environment.

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

Contents: Calcium sulfonate, Zincalkyldithio phosphates, Aryl diester

EUH208 - Contents Calcium long chain alkaryl sulphonate. May cause an allergic skin reaction.

2.3 Other Hazards

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3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances



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

Substance	EC-no	CAS-no	Weight %	Classification
Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based, (IP346 DMSO extract<3 %)*	276-738-4	72623-87-1	70-80	
Calcium long chain alkaryl sulphonate	271-877-7	68610-84-4	0.7-0.9	Skin Sens. 1 H317 Aquatic Chronic 4 H413
Zinc dialkyl dithiophosphates (ZDDP)	272-028-3	68649-42-3	1-2	Skin Irrit. 2 H315 Eye Dam. 1 H318 Aquatic Chronic 2 H411
Aryl diester	Confidential		0.5-1.0	Aquatic Chronic 2 H411

*Synthetic base oil, not classified as petroleum product

4. FIRST AID MEASURES

4.1 Description of first aid measures

Inhalation	Move the injured person to fresh air.
Eye contact	Flush eyes gently with water.
Skin contact	Remove contaminated clothing. Wash skin with soap and water.
Ingestion	Rinse the mouth and drink plenty of water. <u>Do not induce vomiting.</u>

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

Inhalation	When heated, the fumes and vapours may irritate the upper respiratory tract.
Ingestion	Swallowing is not likely to have any adverse effects!.
Skin	Repeated contact may cause skin dryness or cracking.
Eye	Little or no 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

Not applicable

5.3 Advice for firefighters

Use water ONLY to cool containers.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures



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

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.

7.3 Specific end uses

Not relevant

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

See national legislation

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 Environmental exposure controls

See section 12.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance	Oily liquid
Colour	Light yellow
Solubility in water	Insoluble
Flash point, °C	>190 (ASTM D92)
Density, 15 °C, kg/m ³	864



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Kinematic viscosity, 40 °C, mm ² /s	40
Kinematic viscosity, 100 °C, mm ² /s	8
Viscosity index	180

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

No information

12. ECOLOGICAL INFORMATION

12.1 Toxicity

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

12.2 Persistence and degradability

Not readily biodegradable.

12.3 Bioaccumulative potential

No information

12.4 Mobility in soil

Little mobility in soil. Some components may penetrate the soil and contaminate groundwater.

12.5 Results of PBT and vPvB assessment

PBT: Not applicable



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vPvB: Not applicable

12.6 Other adverse effects

Spreads on the water. Smaller quantities can be dispersed in water.

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Product residues, spillages, etc. are classified as hazardous waste. Waste from the product must not contaminate the ground or water, or be emitted into the environment.

EWC-code: 13 02 05, Mineral-based non-chlorinated engine, gear and lubricating oils

Packages

EWC-code: 15 01 02, Plastic packaging

EWC-code: 15 01 04, Metallic packaging

Packages containing product residues and that are not drip-dry have to be handled as hazardous waste and be disposed of well-sealed.

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

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

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

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

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15.2 Chemical Safety Assessment

Chemical Safety Assessment has not been conducted

16. OTHER INFORMATION

Relevant H-statements

H317 May cause an allergic skin reaction.

H318 Causes serious eye damage.

H411 Toxic to aquatic life with long lasting effects.

H413 May cause long lasting harmful effects to aquatic life.

Label elements in accordance with Directive 1999/45/EC

R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Avoid release to the environment. Read special instructions /Safety instructions.

Contents: Calcium long chain alkaryl sulphonate. May cause an allergic skin reaction.

Contents: Calcium sulfonate, Zincalkyldithio phosphates, Aryl diester.

Earlier label elements



Irritating

May cause sensitisation by skin contact.

Harmful to aquatic organisms, may cause adverse effects in the aquatic environment.

Avoid contact with skin.

Wear suitable gloves.

Avoid release to the environment. Read special instructions /Safety instructions.

Contents: Calcium sulfonate, Zincalkyldithio phosphates, Aryl diester.