

SAFETY DATA SHEET

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

1.1 Product identifier

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

Lubricating grease

1.3 Details of the supplier of the safety data sheet

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

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

No labelling required according to Regulation (EC) No 1272/2008 (CLP).

Other labelling

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
Naphthenic acids, zinc salts	234-409-2	12001-85-3	*	<2.5	Flam. Liq. 3, H226 Eye Irrit. 2, H319

* Not available or REACH registration not required

The product consists of lithium complex grease based on mineral oil with additives. The mineral oils in the product contain less than 3% DMSO extract and are therefore not classified as carcinogenic.

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: Inhalation of mist may cause irritation, headache, nausea and difficulties in breathing.

Eye: Not expected to cause eye irritation.

Skin: Repeated and prolonged contact may cause redness and irritation.

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 irritating gases may develop.



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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. Spills are extremely slippery.

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.
Observe the risk of slipping at spillage.

7.2 Conditions for safe storage, including any incompatibilities

Keep containers tightly closed in a cool, well-ventilated place. 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 (third edition, published 2018). Published by the Health and Safety Executive. OELs for oil mist have been omitted from the published 2018 list.

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8.2 Exposure controls

Appropriate technical measures

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

Personal protection

Respiratory protection: Usually not needed. Use suitable respiratory protection in case of exposure to mist, spray or aerosol.

Eye/face protection: Wear eye protection (safety glasses with side shields or full face shield) when risk of eye contact.

Skin protection: Wear protective gloves (nitrile) 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

Appearance:	Semi-solid, smooth dark brown grease
Odour:	No information
Odour treshold:	No information
pH:	No information
Melting point / freezing point:	Not available
Initial boiling point and boiling range:	Not applicable
Flash point:	>150 °C (based on base oils)
Evaporation rate:	Not applicable
Flammability (solid, gas):	No information
Upper / lower flammability or explosive limits:	No information
Vapour pressure:	Not applicable
Vapour density:	Not applicable
Relative density:	<1000 kg/m ³ (25 °C)
Solubility in water:	Insoluble
Solubility in organic solvents	No information
Partition coefficient, n-octano/water:	Not available
Decomposition temperature:	Not available
Auto-ignition temperature:	Not available
Viscosity, kinematic:	Not available
Explosive properties:	No information
Oxidising properties:	Not applicable

9.2 Other information

None.

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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

Heat causes irritating vapours.

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.

Naphthenic acids, zinc salts LD₅₀ (oral) rat: 4 920 mg/kg

Lithium complex grease LD₅₀ (oral*): 6 403 mg/kg
based on mineral oil with LD₅₀ (dermal*): 3 101 mg/kg
additives

*Calculation based on data on components.

Corrosive / irritating on the skin

Repeated and prolonged contact may cause redness and irritation

Serious eye damage / irritation

Not expected to cause 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.



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Toxic to reproduction

Not considered to be toxic to reproduction.

Specific organ toxicity-single exposure

Inhalation of mist may cause irritation, headache, nausea and difficulties in breathing.

Specific organ toxicity-repeated exposure

No information available.

Aspiration Hazard

Considered not to be an aspiration hazard.

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

The product has low potential for bioaccumulation.

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 08 99*, Wastes not otherwise specified (oil)



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Packaging

EWC-code: 15 01 02, Plastic packaging
EWC-code: 15 01 04, Metallic packaging

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

H226 Flammable liquid and vapour.
H319 Causes serious eye irritation.

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



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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)
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 English, version 1.01.

Version description

This is the first version.