Molyfett EP2

20.04.2022

SAFETY DATA SHEET

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

1.1 Product identifier
Molyfett EP2

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

Sweden

Swedish Poisons Information Centre	010-456 67 00 (Open 24/7)
Emergency	112 (Ask for the Posion Centre)

Finland

Poison Information Centre	09-471 977 (Open 24/7)
Emergency	112 (Ask for the Poison Centre)

Norway

Norwegian Poison Information Centre	22 59 13 00 (Open 24/7)
Emergency	113 (Ask for the Poison Centre)

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
EUH208. Contains Naphthenic acids, zinc salts, basic. May produce an allergic reaction.
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
Zinc bis[O,O-bis(2-ethylhexyl)] bis(dithiophosphate)	224-235-5	4259-15-8	01-2119493635-27	<1,3	Eye Dam. 1, H318[1] Aquatic Chron. 2, H411 SCL: Eye Dam. 1: 50 % < C ≤ 100 % Eye Irrit. 2: > 4,5 %
Naphthenic acids, zinc salts, basic	282-762-6	84418-50-8	01-2119988500-34	<1	Skin Sens. 1, H317 Eye Irrit. 2, H319 Aquatic Chronic 3, H412

1) SCL (Specific concentration limit) according to the supplier.

The product consists of a mineral oil based lithium grease with addititives. The mineral oils in the product contain less than 3% DMSO extract and are therefore not classified as carcinogenic (IP346).

Other information

For a full text of hazard statements: see Section 16

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: Not expected to produce any acute or delayed symptoms.
Eye: Not expected to cause eye irritation.
Skin: May produce an allergic reaction. 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. Water fog can be ineffective in fighting large fires.

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.

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
Eliminate all sources of ignition near the spilled product. Avoid contact with eyes and skin. Ensure adequate ventilation in buildings or confined spaces. Spills are extremely slippery.

6.2 Environmental precautions
Inform the competent authorities if the product has polluted the environment (sewage, watercourses, soil or air).

6.3 Methods and material for containment and cleaning up
Contain/absorb spillages with suitable absorbent material such as sand, soil, vermiculite, diatomaceous earth or active clay. Collect in a suitable container. Disposal of waste must be in accordance with national regulations.

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 at a temperature not exceeding 45 °C. Keep away from heat, fire and sparks. Keep out of reach of children.

7.3 Specifik end use
See Section 1.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Contains no substances with occupational exposure limits in the workplace.

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 splashing.
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

Fysikaliskt tillstånd:	Halvfast, homogent fett
Färg:	Data ej tillgängliga
Lukt:	Data ej tillgängliga
Smältpunkt/fryspunkt:	Data ej tillgängliga
Kokpunkt eller initial kokpunkt och kokpunktintervall:	Data ej tillgängliga
Brandfarlighet:	Produkten är inte klassificerad som brandfarlig men kan antändas och underhålla en brand.
Nedre och övre explosionsgräns:	Data ej tillgängliga
Flampunkt:	>150 °C (baserat på basoljorna)
Självantändningstemperatur:	Data ej tillgängliga
Sönderdelningstemperatur:	Data ej tillgängliga
pH-värde:	Ej relevant
Kinematisk viskositet:	> 20,5 mm^2/s (40 °C)
Löslighet:	Olöslig i vatten
Fördelningskoefficient oktanol/vatten:	Data ej tillgängliga
Ångtryck:	Data ej tillgängliga
Densitet och/eller relativ densitet:	<1000 kg/m^3 (25 °C)
Relativ ångdensitet:	Data ej tillgängliga
Partikelegenskaper:	Ej relevant då ej ett fast ämne

9.2 Other information

9.2.1. Information with regard to physical hazard classes

Not relevant

9.2.2 Other safety characteristics

Not relevant

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 hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity

Not considered to be acutely toxic.

Zinc bis[O,O-bis(2-ethylhexyl)] bis(dithiophosphate)	LD_{50} (oral) rat: 3 100 mg/kg LD_{50} (dermal) rabbit: > 5 000 mg/kg
Naphthenic acids, zinc salts, basic	LD50 Oralt: > 2000 mg/kg

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

May produce an allergic reaction.

Germ cell mutagenicity

Not considered to be cause mutations in germ cells.

Carcinogenicity

Not considered to be carcinogenic.

Toxic to reproduction

Not considered to be toxic to reproduction.

Specific organ toxicity-single exposure

No information available.

Specific organ toxicity-repeated exposure

No information available.

Aspiration Hazard

Not considered to be an aspiration hazard.

11.2 Information on other hazards

Endocrine disrupting properties

Based on available information, this mixture contains no substance which is identified as having endocrine disrupting properties according to Regulation (EU) 2017/2100 or (EU) 2018/605 in concentrations ≥ 0.1% (w/w).

SECTION 12. ECOLOGICAL INFORMATION

The product is not classified as hazardous to the environment.

12.1 Toxicity

Zinc bis[O,O-bis(2-ethylhexyl)] bis(dithiophosphate)	LC_{50} Fish 96h: 10 - 35 mg/L, semi-static (species: Pimephales promelas) LC_{50} Fish 96h: 1 - 5 mg/L, static (species: Pimephales promelas) EC_{50} Daphnia 48h: 1 – 1,5 mg/L (species: Daphnia magna) EC_{50} Algae 72h: 1 - 5 mg/L (species: Pseudokirchneriella subcapitata)

12.2 Persistence and degradability

The product is not rapidly biodegradable.

12.3 Bioaccumulative potential

Zinc bis[O,O-bis(2-ethylhexyl)] bis(dithiophosphate)	Log Pow = 2,86 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 Endocrine disrupting properties

Based on available information, this mixture contains no substance which is identified as having endocrine disrupting properties according to Regulation (EU) 2017/2100 or (EU) 2018/605 in concentrations ≥ 0.1% (w/w).

12.7 Other adverse efffects

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)

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.

	ADR/RID	ADN	IMDG	IATA /ICAO
14.1 UN-number or ID number	N/A	N/A	N/A	N/A
14.2 UN proper shipping name	N/A	N/A	N/A	N/A
14.3 Transport hazard class	N/A	N/A	N/A	N/A
14.4 Packing group	N/A	N/A	N/A	N/A
14.5 Environmental hazards	N/A	N/A	N/A	N/A

14.6 Special precautions for user

Not applicable.

14.7 Maritime transport in bulk according to IMO instruments

Not applicable.

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 2020/878 of 18 June 2020 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.

Sweden
AFS 2011:19, amended by AFS 2018:2 (Chemical risks at work)
KIFS 2017:7 (Chemical products and Biotechnicological organisms Regulation)

Finland
715/2001 (Chemical risks at work)

Norway
Regulations concerning the design and layout of workplaces and work premises (the Workplace Regulations)

15.2 Chemical safety assessment

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

SECTION 16. OTHER INFORMATION

Please note! This safety data sheet is an English translation applicable for Sweden, Norway and Finland. A safety data sheet in local language is also available. Please refer to the Agro Oil webshop for safety data sheets in local languages. https://webshop.agrol.se/

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

H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

Abbreviations

ADN	International Carriage of Dangerous Goods by Inland Waterways
ADR	International Carriage of Dangerous Goods by Road
BCF	Bio Concentration Factor
BOD5/COD	Biological Oxygen Demand 5 days/Chemical Oxygen demand
BOD (MITI)	Biological Oxygen Demand
DNEL	Derived No Effect Level
EC_{50}	Effective Concentration (concentration that gives response in 50% of test subjects)
ECHA	European Chemical Agency
EmS	Emergency Schedule Information
HTP	Exposure value, concentrations of impurities in workplace air known to be harmful.
IARC	International Agency for Research on Cancer
IATA/ICAO	IATA Dangerous goods regulation / ICAO Technical Instructions for the Safe Transport of Dangerous Goods by Air
IC_{50}	Inhibitory Concentration (concentration that shows inhibition in 50% of the test subjects)
IMDG	International Maritime Dangerous Goods Code
KTV	Short term exposure values, normally 15 minutes
LC_{50}	Lethal Concentration (concentration causing the death of 50% of a group of test animals)
LD_{50}	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
NGV	Long term exposure value, normally 8 hours.
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
RID	International Carriage of Dangerous Goods by Rail
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, 2022-02-08
Classification & Labelling Inventory Database, ECHA.
Registered substances, ECHA.

Version description

The information has been modified under the following sections in the safety data sheet: 1, 3-12, 14-16

The safety data sheet is dated 20.04.2022 and replaces the version dated 09.03.2020.