



SAFETY DATA SHEET

LanoPro Multi Grease EP2

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Trade name: LanoPro Multi Grease EP2

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

Relevant identified uses of the substance or mixture: Lubricant
Restricted to professional users.

Uses advised against : None known.

1.3. Details of the supplier of the safety data sheet

Company and address: **LanoPro Production AS**

Smedveien 7
1344 Haslum
Norway
+47 40 00 15 14
www.lanopro.com

E-mail: mail@lanopro.com

Revision: 14/11/2024

SDS Version: 8.0

1.4. Emergency telephone number

Healthcare professionals: Dial 0344 892 0111 to reach The National Poisons Information Service (NPIS) (24 hour service)
General public:

England - Dial 111 to reach NHS 111 (24 hour service)

Scotland - Dial 112 to reach NHS 24 (24 hour service)

Wales - Dial 111 or 0845 4647 to reach NHS Direct (24 hour service)

See section 4 "First aid measures".

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Not classified according to Regulation (EC) No. 1272/2008 (CLP) as retained and amended in UK law.

2.2. Label elements

Hazard pictogram(s): Not applicable.

Signal word: Not applicable.

Hazard statement(s): Not applicable.

Precautionary statement(s):

General: -

Prevention: -

Response: -

Storage: -

Disposal: -

Hazardous substances: None known.

Additional labelling: EUH210, Safety data sheet available on request.

2.3. Other hazards

Additional warnings: This mixture/product does not contain any substances known to fulfil the criteria for PBT and vPvB classification.

This product does not contain any substances considered to be endocrine disruptors in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2023/707.

SECTION 3: Composition/information on ingredients



According to REACH Regulation (EC) No 1907/2006, as retained and amended by SI 2019/758 and SI 2020/1577

3.1. Substances
Not applicable. This product is a mixture.

3.2. Mixtures

Product/substance	Identifiers	% w/w	Classification	Note
2-ethylhexyl zinc dithiophosphate	CAS No.: 4259-15-8 EC No.: 224-235-5 UK-REACH: Index No.:	<1.3%	Eye Dam. 1, H318 (SCL: 50.00 %) Eye Irrit. 2, H319 (SCL: 10.00 %) Aquatic Chronic 2, H411	

See full text of H-phrases in section 16. Occupational exposure limits are listed in section 8, if these are available.

Other information

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This product is a lithium grease based on mineral oil with additives. The mineral oils in the product contain <3% DMSO-extract (IP 346).

SECTION 4: First aid measures

4.1. Description of first aid measures

General information: In the case of accident: Contact a doctor or casualty department – take the label or this safety data sheet.
Contact a doctor if in doubt about the injured person's condition or if the symptoms persist.
Never give an unconscious person water or other drink.

Inhalation: Upon breathing difficulties or irritation of the respiratory tract: Bring the person into fresh air and stay with him/her.

Skin contact: Upon irritation: rinse with water. In the event of continued irritation, seek medical assistance.

Eye contact: If in eyes: Flush eyes with water or saline water (20-30 °C) for at least 5 minutes. Remove contact lenses. Seek medical assistance and continue flushing during transport.

Ingestion: If the person is conscious, rinse the mouth with water and stay with the person. Never give the person anything to drink.
In case of malaise, seek medical advice immediately and bring the safety data sheet or label from the product. Do not induce vomiting, unless recommended by the doctor. Have the person lean forward with head down to avoid inhalation of or choking on vomited material.

Burns: Not applicable.

4.2. Most important symptoms and effects, both acute and delayed

Repeated exposure may cause skin dryness or cracking.
Splashes in the eyes can cause irritation.
Ingestion may cause nausea, vomiting and diarré.

4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

Information to medics

Bring this safety data sheet or the label from this product.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media: Alcohol-resistant foam, carbon dioxide, powder, water mist.
Unsuitable extinguishing media: Waterjets should not be used, since they can spread the fire.

5.2. Special hazards arising from the substance or mixture

Fire will result in dense smoke. Exposure to combustion products may harm your health. Closed containers, which are exposed to fire, should be cooled with water. Do not allow fire-extinguishing water to enter the sewage system and nearby surface waters.
Hazardous decomposition products in case of fire: Carbon oxides (CO, CO₂).

5.3. Advice for firefighters

Do not enter fire area without proper personal protective equipment, including respiratory protection.



SECTION 6: Accidental release measures

- 6.1. Personal precautions, protective equipment and emergency procedures**
Ventilate area. Evacuate unnecessary personnel. Equip cleanup and emergency crew with proper protection. Contaminated areas may be slippery.
Do not breathe vapour.
- 6.2. Environmental precautions**
Avoid discharge to lakes, streams, sewers, etc.
Keep unauthorized persons away from the spill
- 6.3. Methods and material for containment and cleaning up**
Limit spillage and collect using granular absorbent or similar materials, and dispose of it in accordance with the regulations on dangerous waste.
Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations.
Wherever possible cleaning should be performed with normal cleaning agents. Avoid use of solvents.
- 6.4. Reference to other sections**
See section 13 "Disposal considerations" on handling of waste.
See section 8 "Exposure controls/personal protection" for protective measures.

SECTION 7: Handling and storage

- 7.1. Precautions for safe handling**
Do not breathe vapour.
Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. Spillage causes slippery floors and tools. Smoking, drinking and consumption of food is not allowed in the work area.
See section 8 "Exposure controls/personal protection" for information on personal protection.
- 7.2. Conditions for safe storage, including any incompatibilities**
Containers that have been opened must be carefully resealed and kept upright to prevent leakage.
- | | |
|-------------------------------|---|
| Recommended storage material: | Always store in containers of the same material as the original container. |
| Storage conditions: | < 50°C
Dry, cool and well ventilated
Protect from sunlight.
Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. |
| Incompatible materials: | Oxidizing materials |
- 7.3. Specific end use(s)**
This product should only be used for applications quoted in section 1.2.

SECTION 8: Exposure controls/personal protection

- 8.1. Control parameters**
No substances are listed in the national list of substances with an occupational exposure limit.
- DNEL**
No data available.
- PNEC**
No data available.
- 8.2. Exposure controls**
Apply general control to prevent unnecessary exposure
- | | |
|---------------------------------|---|
| General recommendations: | Smoking, drinking and consumption of food is not allowed in the work area. |
| Exposure scenarios: | There are no exposure scenarios implemented for this product. |
| Exposure limits: | Occupational exposure limits have not been defined for the substances in this product. |
| Appropriate technical measures: | Apply standard precautions during use of the product. Avoid inhalation of vapours. |
| Hygiene measures: | In between use of the product and at the end of the working day all exposed areas of the body must be washed thoroughly. Pay special attention to hands, forearms and face. |
| Measures to avoid | No specific requirements. |




According to REACH Regulation (EC) No 1907/2006, as retained and amended by SI 2019/758 and SI 2020/1577

environmental exposure:


Individual protection measures, such as personal protective equipment

Generally: Use only UKCA marked protective equipment.


Respiratory Equipment:

Work situation	Type	Class	Colour	Standards	
In case of inadequate ventilation	Combination filter A2P2	Class 2	Brown/White	EN14387	

Skin protection:

Recommended	Type/Category	Standards	
Wear appropriate protection clothing, e.g. coveralls in polypropylene or working clothes in cotton or polyester.	-	-	

Hand protection:

Material	Glove thickness (mm)	Breakthrough time (min.)	Standards	
Nitrile	0,38	> 480	EN374-2, EN374-3, EN388	

Eye protection:

Type	Standards
No specific requirements	-

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

- Physical state: Liquid
- Colour: Yellow-brown
- Odour / Odour threshold: kerosene
- pH: No data available
- Density (g/cm³): No relevant or available data due to the nature of the product.
- Bulk density (kg/m³): < 1000
- Kinematic viscosity: No data available
- Particle characteristics: Not applicable

Phase changes

- Melting point/Freezing point (°C): No data available
- Softening point/range (°C): Does not apply to liquids.
- Boiling point (°C): No data available
- Vapour pressure: No data available
- Relative vapour density: No data available
- Decomposition temperature (°C): No data available

Data on fire and explosion hazards

- Flash point (°C): > 150
- Flammability (°C): The material is not combustible.
- Auto-ignition temperature (°C): No data available
- Lower and upper explosion: Not applicable



limit (% v/v):

Solubility

Solubility in water: Insoluble
n-octanol/water coefficient (LogKow): No data available
Solubility in fat (g/L): No relevant or available data due to the nature of the product.

9.2. Other information

Evaporation rate (n-butylacetate = 100): No data available
Oxidizing properties: Non flammable.
Other physical and chemical parameters: No data available.

SECTION 10: Stability and reactivity

10.1. Reactivity

Product is stable.

10.2. Chemical stability

The product is stable under the conditions, noted in section 7 "Handling and storage".

10.3. Possibility of hazardous reactions

None known.

10.4. Conditions to avoid

Heat

10.5. Incompatible materials

Oxidizing materials

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008 as retained and amended in UK law

Acute toxicity

Product/substance	2-ethylhexyl zinc dithiophosphate
Species:	Rat
Route of exposure:	Oral
Test:	LD50
Result:	3100 mg/kg

Product/substance	2-ethylhexyl zinc dithiophosphate
Species:	Rabbit
Route of exposure:	Dermal
Test:	LD50
Result:	> 5000 mg/kg

Skin corrosion/irritation

Repeated exposure may cause skin dryness or cracking.

Serious eye damage/irritation

Splashes in the eyes can cause irritation.

Respiratory sensitisation

Based on available data, the classification criteria are not met.

Skin sensitisation

Based on available data, the classification criteria are not met.

Germ cell mutagenicity

Based on available data, the classification criteria are not met.

Carcinogenicity

Based on available data, the classification criteria are not met.

Reproductive toxicity

Based on available data, the classification criteria are not met.



According to REACH Regulation (EC) No 1907/2006, as retained and amended by SI 2019/758 and SI 2020/1577

STOT-single exposure

Based on available data, the classification criteria are not met.

STOT-repeated exposure

Based on available data, the classification criteria are not met.

Aspiration hazard

Based on available data, the classification criteria are not met.

11.2. Information on other hazards

Long term effects

None known.

Endocrine disrupting properties

This mixture/product does not contain any substances known to have hormone-disrupting properties in relation to health.

Other information

None known.

SECTION 12: Ecological information

12.1. Toxicity

Product/substance	2-ethylhexyl zinc dithiophosphate
Species:	Fish, <i>Oncorhynchus mykiss</i>
Duration:	96 hours
Test:	LC50
Result:	1 – 10 mg/L

Product/substance	2-ethylhexyl zinc dithiophosphate
Species:	Crustacean, <i>Daphnia magna</i>
Duration:	48 hours
Test:	EC50
Result:	1 – 1.5

Product/substance	2-ethylhexyl zinc dithiophosphate
Species:	Algae, <i>Pseudokirchneriella subcapitata</i>
Duration:	96 hours
Test:	EC50
Result:	1 – 5 mg/L

12.2. Persistence and degradability

Product/substance	LanoPro Multi Grease EP2
Conclusion:	Not readily biodegradable.

12.3. Bioaccumulative potential

Product/substance	LanoPro Multi Grease EP2
Conclusion:	No potential for bioaccumulation

12.4. Mobility in soil

The product is insoluble in water. Adsorbs into the soil.

12.5. Results of PBT and vPvB assessment

This mixture/product does not contain any substances known to fulfil the criteria for PBT and vPvB classification.

12.6. Endocrine disrupting properties

This mixture/product does not contain any substances considered to have endocrine-disrupting properties in relation to the environment.

12.7. Other adverse effects

This product contains substances that are toxic to the environment. May result in adverse effects to aquatic organisms. This product contains substances, which may cause adverse long-term effects to the aquatic environment.

SECTION 13: Disposal considerations

Waste treatment methods

Product is covered by the regulations on hazardous waste. (*)
Regulation (EU) No 1357/2014 of 18 December 2014 on waste as retained and amended in UK law.

EWC code

13 08 99*	Wastes not otherwise specified
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According to REACH Regulation (EC) No 1907/2006, as retained and amended by SI 2019/758 and SI 2020/1577

Specific labelling

Contaminated packing

Packaging containing residues of the product must be disposed of similarly to the product.

SECTION 14: Transport information

	14.1 UN / ID	14.2 UN proper shipping name	14.3 Hazard class(es)	14.4 PG*	14.5 Env**	Other information:
ADR	-	-	-	-	-	-
IMDG	-	-	-	-	-	-
IATA	-	-	-	-	-	-

* Packing group

** Environmental hazards

Additional information

Not dangerous goods according to ADR, IATA and IMDG.

14.6. Special precautions for user

Not applicable.

14.7. Maritime transport in bulk according to IMO instruments

No data available.

SECTION 15: Regulatory information

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

Restrictions for application: Restricted to professional users.

Demands for specific education: No specific requirements.

Control of Major Accident Hazards (COMAH) -

Categories / dangerous substances:

Additional information: Not applicable.

Sources: Regulation (EU) No 1357/2014 of 18 December 2014 on waste as retained and amended in UK law.

Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures (CLP) as retained and amended in UK law.

Regulation (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) as retained and amended in UK law.

15.2. Chemical safety assessment

No

SECTION 16: Other information

Full text of H-phrases as mentioned in section 3

H318, Causes serious eye damage.

H319, Causes serious eye irritation.

H411, Toxic to aquatic life with long lasting effects.

Abbreviations and acronyms

ADN = European Provisions concerning the International Carriage of Dangerous Goods by Inland Waterway

ADR = The European Agreement concerning the International Carriage of Dangerous Goods by Road

ATE = Acute Toxicity Estimate

BCF = Bioconcentration Factor

CAS = Chemical Abstracts Service

CE = Conformité Européenne (European conformity)

CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008]

CSA = Chemical Safety Assessment

CSR = Chemical Safety Report

DMEL = Derived Minimal Effect Level



DNEL = Derived No Effect Level
EINECS = European Inventory of Existing Commercial chemical Substances
ES = Exposure Scenario
EUH statement = CLP-specific Hazard statement
EuPCS = European Product Categorisation System
EWC = European Waste Catalogue
GHS = Globally Harmonized System of Classification and Labelling of Chemicals
GWP = Global warming potential
IARC = International Agency for Research on Cancer (IARC)
IATA = International Air Transport Association
IBC = Intermediate Bulk Container
IMDG = International Maritime Dangerous Goods
LogPow = logarithm of the octanol/water partition coefficient
MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)
OECD = Organisation for Economic Co-operation and Development
PBT = Persistent, Bioaccumulative and Toxic
PNEC = Predicted No Effect Concentration
RID = The Regulations concerning the International Carriage of Dangerous Goods by Rail
RRN = REACH Registration Number
SCL = A specific concentration limit
SVHC = Substances of Very High Concern
STOT-RE = Specific Target Organ Toxicity - Repeated Exposure
STOT-SE = Specific Target Organ Toxicity - Single Exposure
TWA = Time weighted average
UN = United Nations
UVBC = Unknown or variable composition, complex reaction products or of biological materials
VOC = Volatile Organic Compound
vPvB = Very Persistent and Very Bioaccumulative

Additional information

Not applicable.

The safety data sheet is validated by

EcoOnline Regulatory Affairs

Other

A change (in proportion to the last essential change (first cipher in SDS version, see section 1)) is marked with a triangle. The information in this safety data sheet applies only to this specific product (mentioned in section 1) and is not necessarily correct for use with other chemicals/products. It is recommended to hand over this safety data sheet to the actual user of the product. Information in this safety data sheet cannot be used as a product specification.
Country-language: GB-en