



Safety Data Sheet

LanoPro Chain Oil 10 EAL

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830
Issue date: 10/23/2009 Revision date: 6/15/2020 Supersedes: 8/15/2016 Version: 7.0

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

1.1. Product identifier

Product name : LanoPro Chain Oil 10 EAL
Vaporizer : Aerosol
Synonyms : Former product name: LanoPro Wire & Chain Spray 52-10 G

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

Relevant identified uses

Use of the substance/mixture : Lubricant. Anti-corrosion.

Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

LanoPro Production AS
Smedveien 7
1344 Haslum, Norway
T +47 40 00 15 14 - F +47 21 54 73 43
hb@lanopro.com - www.lanopro.com

1.4. Emergency telephone number

Country	Official advisory body	Address	Emergency number	Comment
United Kingdom	National Poisons Information Service (Newcastle Unit)	Claremont Place Newcastle-upon-Tyne, Newcastle	+44 191 2606182 +44 191 2606180	Hours of operation: 24hrs

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

Aerosol 1 H222;H229

Full text of H statements : see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

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

Hazard pictograms (CLP) :



GHS02

Signal word (CLP) : Danger
Hazard statements (CLP) : H222 - Extremely flammable aerosol.
H229 - Pressurised container: May burst if heated.
Precautionary statements (CLP) : P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P211 - Do not spray on an open flame or other ignition source.
P251 - Do not pierce or burn, even after use.
P410+P412 - Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.

2.3. Other hazards

Other hazards not contributing to the classification : None to our knowledge.

This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII

This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

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SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	Conc. (% w/w)	Classification according to Regulation (EC) No. 1272/2008 [CLP]
nitrogen	(CAS-No.) 7727-37-9 (EC-No.) 231-783-9 (REACH-no) N/A	10 – 30	Press. Gas (Comp.), H280
Ethanol; ethyl alcohol	(CAS-No.) 64-17-5 (EC-No.) 200-578-6 (EC Index-No.) 603-002-00-5 (REACH-no) 01-2119457610-43	1 – 20	Flam. Liq. 2, H225

Full text of H-statements: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general

: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

First-aid measures after inhalation

: Allow affected person to breathe fresh air. Allow the patient to rest.

First-aid measures after skin contact

: Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse.

First-aid measures after eye contact

: Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persists.

First-aid measures after ingestion

: Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

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

Symptoms/effects

: Not expected to present a significant hazard under anticipated conditions of normal use.

Symptoms/effects after eye contact

: Liquid splashes in the eye may cause irritation.

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

Treat symptomatically. In all cases of doubt, or when symptoms persist, seek medical attention.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

: Use extinguishing media appropriate for surrounding fire. Foam. Dry powder. Carbon dioxide. Water spray.

Unsuitable extinguishing media

: Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

Fire hazard

: Extremely flammable aerosol.

Explosion hazard

: Contains gas under pressure; may explode if heated.

Hazardous decomposition products in case of fire

: Carbon oxides (CO, CO₂).

5.3. Advice for firefighters

Firefighting instructions

: Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire fighting water from entering the environment.

Protection during firefighting

: 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

General measures

: Concerning personal protective equipment to use, see section 8. No flames, no sparks. Eliminate all sources of ignition. No open flames. No smoking.

6.1.1. For non-emergency personnel

Emergency procedures

: Evacuate unnecessary personnel.

6.1.2. For emergency responders

Protective equipment

: Equip cleanup and emergency crew with proper protection.

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Emergency procedures : Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible.
Collect spillage. Store away from other materials.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection. See section 13 for waste handling.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Keep away from sources of ignition - No smoking. Handle empty containers with care because residual vapours are flammable. Do not spray on an open flame or other ignition source. Do not subject to grinding, shock, friction. Do not pierce or burn, even after use. Provide good ventilation in process area to prevent formation of vapour.

Hygiene measures : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Keep container closed when not in use. Store in a well-ventilated place. Keep cool.
Incompatible materials : Sources of ignition. Direct sunlight.
Storage temperature : < 50 °C

7.3. Specific end use(s)

Consult the supplier for further information.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Ethanol; ethyl alcohol (64-17-5)		
United Kingdom	Local name	Ethanol
United Kingdom	WEL TWA (mg/m³)	1920 mg/m³
United Kingdom	WEL TWA (ppm)	1000 ppm
United Kingdom	Regulatory reference	EH40/2005 (Third edition, 2018). HSE

8.2. Exposure controls

Appropriate engineering controls:

Ensure good ventilation of the work station.

Hand protection:

In case of repeated or prolonged contact wear gloves. Neoprene or nitrile rubber gloves. Layer thickness : 0,2 - 0,4 mm. Breakthrough time : 6 (> 480 minutes). STANDARD EN 374.

Eye protection:

Use splash goggles when eye contact due to splashing is possible. STANDARD EN 166.

Respiratory protection:

Not required with adequate ventilation. In case of insufficient ventilation, wear suitable respiratory equipment. Use respiratory equipment with combination filter, type AX/P2. STANDARD: EN 140 / EN 141 / EN 136 / EN 143 / EN 405 / EN 137 / EN 147

Other information:

Do not eat, drink or smoke during use. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Personal protective equipment should be chosen according to the CEN standards and in discussion with the supplier of the protective equipment.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state : Liquid
Appearance : aerosol.

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Colour	: Clear. light brown.
Odour	: slight.
Odour threshold	: Not determined.
pH	: Not determined.
Relative evaporation rate (butylacetate=1)	: Not determined.
Melting point	: Not determined.
Freezing point	: Not determined.
Boiling point	: < 30 °C
Flash point	: > 23 °C
Auto-ignition temperature	: Not determined.
Decomposition temperature	: No data available
Flammability (solid, gas)	: No data available
Vapour pressure	: 760 mm Hg
Vapour pressure at 50 °C	: Not determined.
Relative vapour density at 20 °C	: Not determined.
Relative density	: No data available
Density	: 1.1 – 1.2 g/cm ³
Solubility	: Insoluble in water.
Partition coefficient n-octanol/water (Log Pow)	: No data available
Viscosity, kinematic	: Not determined.
Viscosity, dynamic	: Not determined.
Explosive properties	: Pressurised container: May burst if heated.
Oxidising properties	: Highly flammable liquid and vapour.
Explosive limits	: Not determined.

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

No incompatible groups noted.

10.2. Chemical stability

Stable under normal temperature conditions and recommended use.

10.3. Possibility of hazardous reactions

No polymerization.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures. No flames, no sparks. Eliminate all sources of ignition.

10.5. Incompatible materials

Strong acids. 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 toxicological effects

Acute toxicity (oral)	: Not classified
Acute toxicity (dermal)	: Not classified
Acute toxicity (inhalation)	: Not classified
Additional information	: Based on available data, the classification criteria are not met

Ethanol; ethyl alcohol (64-17-5)	
LD50 oral rat	7060 mg/kg
LD50 dermal rabbit	> 20000 mg/m ³
LC50 inhalation rat (Vapours - mg/l/4h)	124.7 mg/l/4h

Skin corrosion/irritation	: Not classified
	pH: Not determined.

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Additional information	: Based on available data, the classification criteria are not met
Serious eye damage/irritation	: Not classified pH: Not determined.
Additional information	: Based on available data, the classification criteria are not met
Respiratory or skin sensitisation	: Not classified
Additional information	: Based on available data, the classification criteria are not met
Germ cell mutagenicity	: Not classified
Additional information	: Based on available data, the classification criteria are not met
Carcinogenicity	: Not classified
Additional information	: Based on available data, the classification criteria are not met
Reproductive toxicity	: Not classified
Additional information	: Based on available data, the classification criteria are not met
STOT-single exposure	: Not classified
Additional information	: Based on available data, the classification criteria are not met
STOT-repeated exposure	: Not classified
Additional information	: Based on available data, the classification criteria are not met
Aspiration hazard	: Not classified
Additional information	: Based on available data, the classification criteria are not met

LanoPro Chain Oil 10 EAL	
Vaporizer	Aerosol

SECTION 12: Ecological information

12.1. Toxicity

Hazardous to the aquatic environment, short-term (acute) : Not classified

Hazardous to the aquatic environment, long-term (chronic) : Not classified

Ethanol; ethyl alcohol (64-17-5)	
LC50 fish 1	13500 mg/l (96 hours - Pimephales promelas)
EC50 Daphnia 1	54000 mg/l (48 hours - Daphnia magna)

12.2. Persistence and degradability

LanoPro Chain Oil 10 EAL	
Persistence and degradability	Biodegradable.

Ethanol; ethyl alcohol (64-17-5)	
BOD (% of ThOD)	≥ 0.4 % ThOD BOD5/COD
Biodegradation	85 % (OECD 301D method)

12.3. Bioaccumulative potential

LanoPro Chain Oil 10 EAL	
Bioaccumulative potential	No bioaccumulation.

nitrogen (7727-37-9)	
Bioconcentration factor (BCF REACH)	2.88

12.4. Mobility in soil

LanoPro Chain Oil 10 EAL	
Ecology - soil	The product is volatile and will evaporate quickly.

12.5. Results of PBT and vPvB assessment

LanoPro Chain Oil 10 EAL	
This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII	
This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII	

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12.6. Other adverse effects

Additional information : Avoid release to the environment.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Regional legislation (waste) : Dispose as hazardous waste.

Product/Packaging disposal recommendations : Dispose in a safe manner in accordance with local/national regulations. Dispose of contents/container to a hazardous or special waste collection point.






Additional information : The given LoW-code is a guiding, and the code depends on how the waste is formed. User must evaluate the choice of correct code.

Ecology - waste materials : Avoid release to the environment.

European List of Waste (LoW) code : 14 06 00 - waste organic solvents, refrigerants and foam/aerosol propellants
11 01 98* - other wastes containing dangerous substances

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

ADR	IMDG	IATA	ADN	RID
14.1. UN number				
UN 1950	UN 1950	UN 1950	UN 1950	UN 1950
14.2. UN proper shipping name				
AEROSOLS	AEROSOLS	Aerosols, flammable	AEROSOLS	AEROSOLS
14.3. Transport hazard class(es)				
2.1	2.1	2.1	2.1	2.1
				
14.4. Packing group				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.5. Environmental hazards				
Dangerous for the environment : No	Dangerous for the environment : No Marine pollutant : No	Dangerous for the environment : No	Dangerous for the environment : No	Dangerous for the environment : No
No supplementary information available				

14.6. Special precautions for user

Overland transport

Special provisions (ADR) : 190, 327, 344, 625

Limited quantities (ADR) : 1I

Excepted quantities (ADR) : E0

Transport by sea

Special provisions (IMDG) : 63, 190, 277, 327, 344, 381, 959

EmS-No. (Fire) : F-D

EmS-No. (Spillage) : S-U

Air transport

PCA Excepted quantities (IATA) : E0

PCA Limited quantities (IATA) : Y203

Special provisions (IATA) : A145, A167, A802

Inland waterway transport

Special provisions (ADN) : 190, 327, 344, 625

Limited quantities (ADN) : 1 L

Excepted quantities (ADN) : E0

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Rail transport

Special provisions (RID) : 190, 327, 344, 625
Limited quantities (RID) : 1L
Excepted quantities (RID) : E0
Hazard identification number (RID) : 23

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable

SECTION 15: Regulatory information

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

EU-Regulations

Contains no REACH substances with Annex XVII restrictions
Contains no substance on the REACH candidate list
Contains no REACH Annex XIV substances
Contains no substance subject to Regulation (EU) No 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of hazardous chemicals.
Contains no substance subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants

National regulations

EC-regulation 2015/830 /EC, 1907/2006/EC (REACH), 1272/2008/EC (CLP), 790/2009/EC. Transport of dangerous goods (ADR/RID, IMDG, IATA/ICAO). Workplace exposure limits.

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Indication of changes:

Hazards identification. Identification of the substance/mixture and of the company/undertaking. Regulatory information. Transport information.

SDS ID : 302040
Data sources : EC-regulation 2015/830 /EC, 1907/2006/EC (REACH), 1272/2008/EC (CLP), 790/2009/EC. Transport of dangerous goods (ADR/RID, IMDG, IATA/ICAO). Workplace exposure limits.
Other information : None.

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

Aerosol 1	H222;H229
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Full text of H- and EUH-statements:

Aerosol 1	Aerosol, Category 1
Flam. Liq. 2	Flammable liquids, Category 2
Press. Gas (Comp.)	Gases under pressure : Compressed gas
H222	Extremely flammable aerosol.
H225	Highly flammable liquid and vapour.
H229	Pressurised container: May burst if heated.
H280	Contains gas under pressure; may explode if heated.