



# SAFETY DATA SHEET

## Lanopro 70-01 Universal Maintenance fluid

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

<b>Product name</b>	Lanopro 70-01 Universal Maintenance fluid
<b>In-house No.</b>	200242 (5L), 200243 (20L), 200244 (196L), 200241(1000L)
<b>Applications</b>	Universal lubricant
<b>Supplier</b>	Lanopro Production AS Smedveien 7 1344 Haslum, Norway Tel: +47 40 00 15 14 Fax: +47 21 54 73 43 <a href="http://www.lanopro.no/">http://www.lanopro.no/</a>
<b>Contact person</b>	Henrik Breddam (E-mail <a href="mailto:hb@lanopro.com">hb@lanopro.com</a> )
<b>Emergency telephone number</b>	National Poisons Information Service (NPIS), phone 0844 892 0111. WEB: <a href="http://www.toxbase.org">http://www.toxbase.org</a>

### 2. HAZARDS IDENTIFICATION

Not regarded as a health, fire, explosion or environmental hazard under current legislation.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Section 16 contains detailed classification phrases.

<b>Composition comments</b>	None of the components are subject to classification, or are present in quantities above regulatory disclosure limits.
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### 4. FIRST AID MEASURES

<b>General</b>	General first aid, rest, warmth and fresh air.
<b>Inhalation</b>	Provide rest, warmth and fresh air. Get medical attention if any discomfort continues.
<b>Ingestion</b>	Rinse nose, mouth and throat with water. Give some glasses of milk or water. Contact physician if larger quantity has been consumed.
<b>Skin</b>	Wash the skin immediately with soap and water. Contact physician if irritation continues.
<b>Eyes</b>	Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and open eyes wide apart. Get medical attention if any discomfort continues.

### 5. FIRE-FIGHTING MEASURES

<b>Extinguishing media</b>	Powder, foam or CO <sub>2</sub> . Do not use water jet as an extinguisher, as this will spread the fire.
<b>Special fire fighting procedures</b>	Move container from fire area if it can be done without risk. Containers close to fire should be removed or cooled with water. Avoid water in straight hose stream; will scatter and spread fire.
<b>Specific hazards</b>	Not flammable according to national regulations concerning flammable goods.
<b>Hazardous combustion products</b>	Fire or high temperatures create: Carbon monoxide (CO). Carbon dioxide (CO <sub>2</sub> ). Thick, black smoke.
<b>Protective measures in fire</b>	Firefighters exposed to combustion gases/decomposition products should use a

respiratory protective device.

## 6. ACCIDENTAL RELEASE MEASURES

<b>Personal protection</b>	Wear appropriate personal protective equipment - see Section 8.
<b>Environmental protection</b>	Dam up with absorbent materials, prevent release to sewer, sea or environment.
<b>Spill cleanup methods</b>	Absorb with inactive materials as vermiculite, sand, dolomite, diatomene etc. Deliver to approved reception facility. Collect and reclaim or dispose in sealed containers to licensed waste plant. Spills wiped up with a rag or paper.

## 7. HANDLING AND STORAGE

<b>Usage precautions</b>	Avoid spilling, skin and eye contact. Provide good ventilation. Spillage causes slippery floors and tools. Drum is not a pressure vessel; never use pressure to empty.
<b>Storage precautions</b>	Keep in cool, dry, ventilated storage and closed containers. Store at temperature between 10 and 50°C. Do not puncture or cut the container.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

<b>Ingredient comments</b>	No exposure limits noted for ingredient(s).
<b>Ventilation</b>	No particular ventilation requirements.
<b>Respirators</b>	Not required with adequate ventilation.
<b>Protective gloves</b>	Protective gloves must be used if there is a risk of direct contact or splash. Use protective gloves made of: Polyvinyl chloride (PVC). Break through time 8 hours.
<b>Eye protection</b>	Wear approved safety goggles.
<b>Other Protection</b>	Protective clothing as needed.
<b>Hygienic work practices</b>	Wash at the end of each work shift and before eating, smoking and using the toilet.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance</b>	Fluid.		
<b>Colour</b>	Yellowish.		
<b>Odour</b>	Mild (or faint).		
<b>Solubility description</b>	Insoluble in water.		
<b>Boiling point (°C, interval)</b>	>200	<b>Pressure</b>	760mmHg
<b>Density (g/cm<sup>3</sup>)</b>	0,88	<b>Temperature (°C)</b>	20
<b>Vapour density (air=1)</b>	>1		
<b>Vapour pressure</b>	<2 mmHg	<b>Temperature (°C)</b>	
<b>Evaporation rate</b>	<1	<b>Reference</b>	BuAc=1
<b>Volatility by volume (%)</b>	<2		
<b>Flash point (°C)</b>	130 (ASTM 93)	<b>Method</b>	

## 10. STABILITY AND REACTIVITY

<b>Stability</b>	Stable under normal temperature conditions and recommended use.
<b>Conditions to avoid</b>	Avoid strong heating.
<b>Hazardous polymerisation</b>	Will not polymerise.
<b>Materials to avoid</b>	Strong oxides.

**Hazardous decomp. products** No hazardous decomposition products are emitted at recommended use.

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## 11. TOXICOLOGICAL INFORMATION

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<b>Sensitization</b>	No allergic reaction is known.
<b>Genotoxicity</b>	No known heritable or mutagenic effects.
<b>Carcinogenicity</b>	This substance has no evidence of carcinogenic properties.
<b>Reproduction toxicity</b>	No known reproductive effects.
<b>Inhalation</b>	Negligible, unless heated to produce vapors. Vapors or finely misted materials may irritate the mucous membranes and cause irritation, dizziness, and nausea.
<b>Ingestion</b>	Nausea, vomiting.
<b>Skin</b>	No specific health warnings noted.
<b>Eyes</b>	May cause temporary eye irritation.
<b>Route of entry</b>	Skin and/or eye contact.

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## 12. ECOLOGICAL INFORMATION

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<b>Ecotoxicity</b>	Not classified as dangerous to the environment.
<b>Mobility</b>	The product is insoluble in water and will spread on the water surface.
<b>Bioaccumulative potential</b>	The product is not bioaccumulating.
<b>Persistence and degradability</b>	The chemical is readily biodegradable.

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## 13. DISPOSAL CONSIDERATIONS

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<b>General/cleaning</b>	Product is not hazardous waste.
<b>Disposal methods</b>	Confirm disposal procedures with environmental engineer and local regulations. Equipment and facilities to be cleaned using mild detergent.
<b>Waste class</b>	13 02 07* readily biodegradable engine, gear and lubricating oils The given EWC-code is a guiding, and the code depends on how the waste is formed. User must evaluate the choice of correct code.

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## 14. TRANSPORT INFORMATION

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<b>General</b>	No dangerous goods (ADR/RID, IMDG, IATA/ICAO)
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## 15. REGULATORY INFORMATION

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<b>EU directives</b>	67/548/EEC, 1999/45/EC, 2001/58/EC, 2008/58/EC (REACH), 1272/2008/EC (30ATP).
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## 16. OTHER INFORMATION

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\* Information revised since the previous version of the SDS

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