



# SAFETY DATA SHEET

## LanoPro Bio Spray 2 in 1 81-10 G

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

<b>Product name</b>	LanoPro Bio Spray 2 in 1 81-10 G
<b>In-house No.</b>	200 175 (400 mL)
<b>Applications</b>	Cleaning agent / Degreaser.
<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

Name	EC No.	CAS No.	Content	Symbol	R-phrases
orange terpineol		68647-72-3	30-60 %	-	
water	231-791-2	7732-18-5	0-30 %	-	
alcohols, C10-16, ethoxylated	500-182-6	68002-97-1	1-10 %	-	
ethanol	200-578-6	64-17-5	0-20 %	F	R-11
nitrogen	231-783-9	7727-37-9	10-30 %	-	

See section 16 for explanations to R-phrases

**Composition comments** The product consists 100% of organic substances not being subject for classification.

### 4. FIRST AID MEASURES

<b>General</b>	Remove victim immediately from source of exposure. 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>	Not specifically applicable (gas).
<b>Skin</b>	Wash the skin immediately with soap and water. Contact physician if irritation continues.
<b>Eyes</b>	Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.

### 5. FIRE-FIGHTING MEASURES

<b>Extinguishing media</b>	Extinguish with alcohol-resistant foam, carbon dioxide, dry powder or water fog.
<b>Special fire fighting procedures</b>	Move container from fire area if it can be done without risk. Cool containers exposed to flames with water until well after the fire is out. Avoid water in straight hose stream; will

	scatter and spread fire.
<b>Specific hazards</b>	Vapours are heavier than air and may spread near ground.
<b>Hazardous combustion products</b>	Fire or high temperatures create: Carbon monoxide (CO). Carbon dioxide (CO <sub>2</sub> ).
<b>Protective measures in fire</b>	Wear self-contained breathing apparatus (SCBA) to prevent contact with thermal decomposition products.

## 6. ACCIDENTAL RELEASE MEASURES

<b>Personal protection</b>	Wear appropriate personal protective equipment - see Section 8.
<b>Environmental protection</b>	Runoff or release to sewer, waterway or ground is forbidden.
<b>Spill cleanup methods</b>	Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate. Collect and reclaim or dispose in sealed containers in licensed waste.

## 7. HANDLING AND STORAGE

<b>Usage precautions</b>	Do not breathe of aerosol mist. Avoid spilling, skin and eye contact. Ventilate well, avoid breathing vapours. Use approved respirator if air contamination is above accepted level.
<b>Storage precautions</b>	Keep in cool, dry, ventilated storage and closed containers. Keep away from heat, sparks and open flame. Pressurised container: Must not be exposed for temperatures above 50°C.
<b>Storage criteria</b>	Compressed gas storage.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Ingredient name	CAS no.	Reference	LT Exp 8 Hrs	ST Exp 15 Min	Date
ethanol	64-17-5	WEL.	1920 mg/m <sup>3</sup>		
<b>Ingredient comments</b>	WEL = Workplace exposure limits. SK= Skin absorbance, Rep= Reproduction, Carc= Carcinogenic Senz= Sensitisers, Mut= Carcinogenic				
<b>Ventilation</b>	No specific ventilation requirements noted, but forced ventilation may still be required if air contamination exceeds acceptable level.				
<b>Respirators</b>	Normally not required. If ventilation is insufficient, suitable respiratory protection must be provided. CCROVDM, CCR with organic vapour cartridge and dust and mist filter.				
<b>Protective gloves</b>	Protective gloves must be used if there is a risk of direct contact or splash. Use protective gloves made of: Nitrile. Neoprene. Time of breakthrough is not known, change gloves regularly.				
<b>Eye protection</b>	If risk of splashing, wear safety goggles or face shield.				
<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. Use appropriate skin cream to prevent drying of skin.				

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance</b>	Fluid.	
<b>Colour</b>	Clear. / Light brown.	
<b>Odour</b>	Lemon.	
<b>Solubility description</b>	Partly soluble in water.	
<b>Flash point (°C)</b>	> 56	<b>Method</b>

## 10. STABILITY AND REACTIVITY

<b>Stability</b>	Stable under normal temperature conditions and recommended use.
<b>Conditions to avoid</b>	Avoid excessive heat, flames and other sources of ignition. Avoid exposure to high temperatures or direct sunlight.
<b>Hazardous polymerisation</b>	Will not polymerise.
<b>Materials to avoid</b>	Strong oxides. Strong acids.

**Hazardous decomp. products** No specific hazardous decomposition products noted.

## 11. TOXICOLOGICAL INFORMATION

<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>	Gas or vapour displaces oxygen available for breathing (asphyxiant).
<b>Ingestion</b>	Ingestion is not a likely route of exposure, the product is supplied as an aerosol.
<b>Skin</b>	Acts as a defatting agent on skin. May cause cracking of skin, and eczema. Contact with liquefied gas might cause frostbites, in some cases tissue damage.
<b>Eyes</b>	Splashes may irritate and cause redness. Risk of frost bite in the eyes, aerosol.
<b>Route of entry</b>	Inhalation. Skin and/or eye contact.

## 12. ECOLOGICAL INFORMATION

<b>Ecotoxicity</b>	Not classified as dangerous to the environment. However, the product should not be allowed to enter drains or water courses or be deposited where it can affect ground or surface waters.
<b>Mobility</b>	The product contains volatile organic compounds (VOC) which will evaporate easily from all surfaces.
<b>Bioaccumulative potential</b>	The product is not bioaccumulating.
<b>Persistence and degradability</b>	The product is expected to be easily biodegradable.

## 13. DISPOSAL CONSIDERATIONS

<b>General/cleaning</b>	Waste is classified as hazardous waste.
<b>Disposal methods</b>	Confirm disposal procedures with environmental engineer and local regulations.
<b>Waste class</b>	14 06 waste organic solvents, refrigerants and foam/aerosol propellants
<b>Contaminated packaging</b>	The product packaging must be disposed of in compliance with the country specific regulations.

## 14. TRANSPORT INFORMATION

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

<b>Contains</b>	orange terpentine water alcohols, C10-16, ethoxylated ethanol nitrogen
<b>Safety phrases</b>	S-23 Do not breathe gas/fumes/vapour/spray. Pressurised container: protect from sunlight and do not expose to temperatures exceeding 50 °C. Do not pierce or burn, even after use.
<b>EU directives</b>	67/548/EEC, 1999/45/EC, 2001/58/EC, 2008/58/EC (REACH), 1272/2008/EC (30ATP).

## 16. OTHER INFORMATION

<b>Explanations to R-phrases in section 3</b>	R-11 Highly flammable.
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\* Information revised since the previous version of the SDS

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<b>Revision comments</b>	Revision 2009-07-28, no. 1: supersedes SDS of 2009-04-21. Changed sect. 14, transport classification. Revision 2009-10-23, no. 2: supersedes SDS of 2009-07-28. Changed name from "LanoPro Bio Spray" to "LanoPro Bio Spray 2 in 1 81-10 G". No amendments in composition or product classification.
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<b>Signature</b>	R. E. Lunde
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