



SAFETY DATA SHEET

LanoPro Storage Spray 11-10 G

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

Product name	LanoPro Storage Spray 11-10 G
In-house No.	200 183 (400mL)
Applications	Lubricant Anti-corrosion.
Supplier	Lanopro Production AS Smedveien 7 1344 Haslum, Norway Tel: +47 40 00 15 14 Fax: +47 21 54 73 43 http://www.lanopro.no/
Contact person	Henrik Breddam (E-mail hb@lanopro.com)
Emergency telephone number	National Poisons Information Service (NPIS), phone 0844 892 0111. WEB: http://www.toxbase.org

2. HAZARDS IDENTIFICATION

Not regarded as a health, fire or environmental hazard under current legislation.
Pressurized container - protect from sunlight and do not expose to temperatures exceeding 50°C.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Name	EC No.	CAS No.	Content	Symbol	R-phrases
nitrogen	231-783-9	7727-37-9	10-30 %	-	
ethanol	200-578-6	64-17-5	0-20 %	F	R-11

See section 16 for explanations to R-phrases

Composition comments	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

General	Remove victim immediately from source of exposure. Provide rest, warmth and fresh air.
Inhalation	Move the exposed person to fresh air at once. Rinse nose and mouth with water.
Ingestion	Ingestion is not likely under the use as intended and described, product is an aerosol.
Skin	Wash the skin immediately with soap and water. Contact physician if irritation continues.
Eyes	Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes. Contact physician if irritation persists. Make sure to remove any contact lenses from the eyes before rinsing.

5. FIRE-FIGHTING MEASURES

Extinguishing media	Extinguish with foam, carbon dioxide, dry powder or water fog.
Special fire fighting procedures	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.

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

6. ACCIDENTAL RELEASE MEASURES

Personal protection	Wear appropriate personal protective equipment - see Section 8.
Environmental protection	Do not allow to enter drains, sewers or watercourses.
Spill cleanup methods	Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate. Collected material shall be disposed of in closed container according to local authority requirements.

7. HANDLING AND STORAGE

Usage precautions	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. Eliminate all sources of ignition.
Storage precautions	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.
Storage criteria	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 ³		
Ingredient comments	WEL = Workplace exposure limits. SK= Skin absorbance, Rep= Reproduction, Carc= Carcinogenic Senz= Sensitisers, Mut= Carcinogenic				
Ventilation	No specific ventilation requirements noted, but forced ventilation may still be required if air contamination exceeds acceptable level.				
Respirators	Normally not required. If ventilation is insufficient, suitable respiratory protection must be provided. CCROVDM, CCR with organic vapour cartridge and dust and mist filter.				
Protective gloves	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.				
Eye protection	Wear approved chemical safety goggles where eye exposure is reasonably probable.				
Other Protection	Wear appropriate clothing to prevent any possibility of skin contact.				
Hygienic work practices	Wash promptly if skin becomes wet or contaminated. Promptly remove any clothing that becomes wet or contaminated.				

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Fluid. Aerosol.		
Colour	Clear. Light brown.		
Odour	Mild (or faint). No characteristic odour.		
Solubility description	Insoluble in water. Soluble in: Organic solvents (most).		
Boiling point (°C, interval)	<30	Pressure	760mmHg
Density (g/cm³)	1,1 - 1,2	Temperature (°C)	20
Flash point (°C)	<0	Method	

10. STABILITY AND REACTIVITY

Stability	Stable under normal temperature conditions and recommended use.
Conditions to avoid	Avoid excessive heat, flames and other sources of ignition.

Hazardous polymerisation	Will not polymerise.
Materials to avoid	Strong oxides. Strong acids.
Hazardous decomp. products	No specific hazardous decomposition products noted.

11. TOXICOLOGICAL INFORMATION

Sensitization	No allergic reaction is known.
Genotoxicity	No known heritable or mutagenic effects.
Carcinogenicity	This substance has no evidence of carcinogenic properties.
Reproduction toxicity	No known reproductive effects.
Inhalation	Gas or vapour displaces oxygen available for breathing (asphyxiant).
Ingestion	Ingestion is not a likely route of exposure, the product is supplied as an aerosol.
Skin	May cause defatting of the skin, but is not an irritant. Contact with liquefied gas might cause frostbites, in some cases tissue damage.
Eyes	Splashes may irritate and cause redness. Risk of frost bite in the eyes, aerosol.
Route of entry	Inhalation. Skin and/or eye contact.

12. ECOLOGICAL INFORMATION

Ecotoxicity	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.
Mobility	The product contains volatile organic compounds (VOC) which will evaporate easily from all surfaces.
Bioaccumulative potential	The product is not bioaccumulating.
Persistence and degradability	The chemical is readily biodegradable. BOD: 60 % (28 days).

13. DISPOSAL CONSIDERATIONS

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

14. TRANSPORT INFORMATION

General	No dangerous goods (ADR/RID, IMDG, IATA/ICAO)
Proper shipping name (national)	Flammable liquid, n.o.s. (isopropyl alcohol)
ROAD TRANSPORT (ADR):	
RAIL TRANSPORT (RID):	
SEA TRANSPORT (IMDG):	

15. REGULATORY INFORMATION

Contains	nitrogen ethanol
Safety phrases	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.
EU directives	67/548/EEC, 1999/45/EC, 2001/58/EC, 2008/58/EC (REACH), 1272/2008/EC (30ATP).

16. OTHER INFORMATION

Explanations to R-phrases in section 3	R-11 Highly flammable.
* Information revised since the previous version of the SDS	
Revision comments	Revision 2009-07-28, no. 1: supersedes SDS of 2009-05-14. Changed sect.14, transport classification. Revision 2009-10-23, no. 2: supersedes SDS of 2009-07-28. Changed name from "LanoPro Storage Spray" to "LanoPro Storage Spray 11-10 G" No amendments in composition or product classification.
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