

# SAFETY DATA SHEET

Product name: PROLAN PROTECTIVE LANOLIN Page: 1/10  
Revision Date: 2015-02-04 Print date: 2015-02-24  
Product No.: SDS-ID: GB-EN/3.0

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## SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

### **1.1. Product identifier**

Product name: PROLAN PROTECTIVE LANOLIN  
Container size: 500 ml

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

Application: Lubricant.  
Corrosion inhibitor.

### **1.3. Details of the supplier of the safety data sheet**

Supplier: Denrex ApS  
Daniavej 33, Assens  
DK- 9550 Mariager  
Tel: +45 24428188  
Fax: +45 98548188  
ln@denrex.com  
www.denrex.com

Responsible for safety data sheet authoring: SDS\_info@dhigroup.com

### **1.4. Emergency telephone number**

Emergency telephone: 112

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## SECTION 2: HAZARDS IDENTIFICATION

### 2.1. Classification of the substance or mixture

67/548/EEC / 1999/45/EC: Fx;R12  
GHS/CLP: Aerosol 1;H222,H229

### 2.2. Label elements



Danger

H222 Extremely flammable aerosol.  
H229 Pressurised container: May burst if heated.  
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
P251 Do not pierce or burn, even after use.  
P410 + P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122°F.  
P102 Keep out of reach of children.

### 2.3. Other hazards

PBT/vPvB: Not relevant.  
Other: Repeated exposure may cause skin dryness or cracking.  
The product contains volatile, organic compounds which have a photochemical ozone creation potential.  
Aerosol containers can explode when heated, due to excessive pressure build-up.

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

### 3.2. Mixtures

The product contains: Lanolin, organic solvent and propellants.

67/548/EEC:

<u>%:</u>	<u>CAS-No.:</u>	<u>EC No.:</u>	<u>REACH Reg. No:</u>	<u>Chemical name:</u>	<u>Hazard classification:</u>	<u>Notes:</u>
10-20	64742-48-9	265-150-3	-	Naphtha (petroleum), hydrotreated heavy	Xn;R65 R66	P
20-30	75-28-5	200-857-2	-	Isobutane	F+;R12	C
20-30	106-97-8	203-448-7	-	Butane	F+;R12	C
20-30	74-98-6	200-827-9	-	Propane	F+;R12	

Notes: P: benzene < 0,1% (w/w)

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## GHS/CLP:

<u>%:</u>	<u>CAS-No.:</u>	<u>EC No.:</u>	<u>REACH Reg. No:</u>	<u>Chemical name:</u>	<u>Hazard classification:</u>	<u>Notes:</u>
10-20	64742-48-9	265-150-3	-	Naphtha (petroleum), hydrotreated heavy	Asp. Tox. 1;H304 EUH066	P
20-30	75-28-5	200-857-2	-	Isobutane	Flam. Gas 1;H220 Press. Gas	C; U
20-30	106-97-8	203-448-7	-	Butane	Flam. Gas 1;H220 Press. Gas	C; U
20-30	74-98-6	200-827-9	-	Propane	Flam. Gas 1;H220 Press. Gas	U

Notes: P: benzene < 0,1% (w/w)

References: The full text for all R-phrases and hazard statements are displayed in section 16.

## SECTION 4: FIRST AID MEASURES

### 4.1. Description of first aid measures

**Burns:** Flush with water immediately. While flushing, remove clothes which do not adhere to affected area. Call an ambulance. Continue flushing during transport to hospital.

**Inhalation:** Move injured person into fresh air and keep person calm under observation. If uncomfortable: Seek hospital and bring these instructions.

**Skin contact:** Remove contaminated clothing immediately and wash skin with soap and water.

**Eye contact:** Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and open eyelids widely. If irritation persists: Seek medical attention and bring along these instructions.

**Ingestion:** Immediately rinse mouth and drink plenty of water. Keep person under observation. If person becomes uncomfortable seek hospital and bring these instructions.

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

**Symptoms/effects:** See section 11 for more detailed information on health effects and symptoms.

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

**Medical attention/treatments:** Not known.

## SECTION 5: FIREFIGHTING MEASURES

### 5.1. Extinguishing media

**Extinguishing media:** Extinguish with carbon dioxide or dry powder. Cool containers exposed to heat with water spray and remove container, if no risk is involved.

### 5.2. Special hazards arising from the substance or mixture

**Specific hazards:** Aerosol containers can explode when heated, due to excessive pressure build-up.

### 5.3. Advice for firefighters

**Protective equipment for fire-fighters:** Selection of respiratory protection for fire fighting: follow the general fire precautions indicated in the workplace.

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## SECTION 6: ACCIDENTAL RELEASE MEASURES

### **6.1. Personal precautions, protective equipment and emergency procedures**

Personal precautions: Do not smoke or use open fire, or other sources of ignition. Follow precautions for safe handling described in this safety data sheet.

### **6.2. Environmental precautions**

Environmental precautions: Avoid discharge into water courses or onto the ground. Aerosol containers should not be dumped in nature.

### **6.3. Methods and material for containment and cleaning up**

Methods for cleaning up: Absorb spillage with non-combustible, absorbent material.

### **6.4. Reference to other sections**

References: For personal protection, see section 8.  
For waste disposal, see section 13.

## SECTION 7: HANDLING AND STORAGE

### **7.1. Precautions for safe handling**

Safe handling advice: Avoid inhalation of spray mists and contact with skin and eyes. Observe good chemical hygiene practices.

Technical measures: Do not smoke or use open fire or other sources of ignition.

Technical precautions: Provide adequate ventilation.  
Provide easy access to water supply or an emergency shower.

### **7.2. Conditions for safe storage, including any incompatibilities**

Technical measures for safe storage: Follow rules for flammable liquids.

Storage conditions: Store in tightly closed original container in a well-ventilated place. Do not store near heat sources or expose to high temperatures.

### **7.3. Specific end use(s)**

Specific use(s): Not relevant.

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## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1. Control parameters

Occupational exposure limits:

<u>CAS-No.:</u>	<u>Chemical name:</u>	<u>As:</u>	<u>Exposure limits:</u>		<u>Type:</u>	<u>Notes:</u>	<u>References:</u>
106-97-8	Butane	-	600 ppm	1450 mg/m <sup>3</sup>	TWA	Carc	EH40
		-	750 ppm	1810 mg/m <sup>3</sup>	STEL	Carc; 15min	
-	Normal and branched chain alkanes >=C7 (excluding n-Heptane)	-		1200 mg/m <sup>3</sup>	TWA	-	EH40

Notes: Carc: Capable of causing cancer and/or heritable genetic damage. (Only applies if Butane contains more than 0.1% of buta-1,3-diene)

### 8.2. Exposure controls

Engineering measures: Provide adequate ventilation. Observe Occupational Exposure Limits and minimise the risk of inhalation of vapours and spray mist.

Personal protection: Personal protection equipment should be chosen according to the CEN standards and in discussion with the supplier of the personal protective equipment.

Respiratory equipment: Use respiratory equipment with combination filter, type A2/P3.

Hand protection: Risk of contact: Wear protective gloves. Nitrile gloves are recommended, but be aware that the liquid may penetrate the gloves. Frequent change is advisable. The most suitable glove must be chosen in consultation with the gloves supplier, who can inform about the breakthrough time of the glove material.

Eye protection: Risk of splashes: Wear goggles/face shield.

Skin protection: Wear apron or protective clothing in case of contact.

Hygiene measures: Wash hands after handling.

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## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1. Information on basic physical and chemical properties

Appearance: Aerosol. Light brown.  
Odour: characteristic of solvents  
pH: not relevant  
Boiling point: <0°C (propellant)  
Flash point: <0°C (propellant)  
Evaporation rate: Evaporation rate (BuAc=100): 5  
Explosion limits: 1-6 vol%  
Vapour pressure: >300 (propellant)  
Vapour density: 5.3  
Relative density: 0.81-0.83 (24°C)  
Solubility: Insoluble in water.  
Auto-ignition temperature (°C): 450-550°C  
Viscosity: not available

### 9.2. Other information

Other data: Volatile by vol. (%)80

## SECTION 10: STABILITY AND REACTIVITY

### 10.1. Reactivity

Reactivity: None known.

### 10.2. Chemical stability

Stability: Stable under normal temperature conditions.

### 10.3. Possibility of hazardous reactions

Hazardous Reactions: None known.

### 10.4. Conditions to avoid

Conditions/materials to avoid: Avoid exposure to high temperatures or direct sunlight.

### 10.5. Incompatible materials

Incompatible materials: None under normal conditions.

### 10.6. Hazardous decomposition products

Hazardous decomposition products: None in particular.

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## SECTION 11: TOXICOLOGICAL INFORMATION

### 11.1. Information on toxicological effects

Inhalation: Vapours and spray mist may irritate throat and respiratory system and cause coughing. In high concentrations, vapours are narcotic and may cause headache, fatigue, dizziness and nausea.

Skin contact: Prolonged contact may cause redness, irritation and dry skin.

Eye contact: May irritate and cause redness and pain.

Ingestion: May cause nausea, headache, dizziness and intoxication.

Specific effects: Frequent inhalation of even small concentrations may cause irritability, fatigue and memory failure and eventually permanent damage to the nervous system, including the brain.

## SECTION 12: ECOLOGICAL INFORMATION

### 12.1. Toxicity

Ecotoxicity: There are no data on the ecotoxicity of this product.

### 12.2. Persistence and degradability

Degradability: The degradability of the product has not been stated.

### 12.3. Bioaccumulative potential

Bioaccumulative potential: No data available on bioaccumulation.

### 12.4. Mobility in soil

Mobility: No data available.

### 12.5. Results of PBT and vPvB assessment

PBT/vPvB: Not relevant.

### 12.6. Other adverse effects

Other adverse effects: The product contains volatile, organic compounds which have a photochemical ozone creation potential.

## SECTION 13: DISPOSAL CONSIDERATIONS

### 13.1. Waste treatment methods

Dispose of waste and residues in accordance with local authority requirements. Waste is classified as hazardous waste. Rags and the like, moistened with flammable liquids, must be discarded into designated fireproof bucket.

Waste from residues: Used cloths, etc. EWC-code: 15 02 02

Contaminated packaging: EWC-code: 15 01 10  
Empty aerosol containers before disposal.

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## SECTION 14: TRANSPORT INFORMATION

### **14.1. UN number**

UN-No: 1950

### **14.2. UN proper shipping name**

Proper Shipping Name: AEROSOLS

### **14.3. Transport hazard class(es)**

Class: 2.1

### **14.4. Packing group**

PG: -

### **14.5. Environmental hazards**

Marine pollutant: No.

Environmentally Hazardous substance: No.

### **14.6. Special precautions for user**

Special precautions: None known.

### **14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**

Transport in bulk: Not relevant.

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## SECTION 15: REGULATORY INFORMATION

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

Special provisions: As a general rule, persons under 18 years of age are not allowed to work with this product. Users must be carefully instructed in the proper work procedure, the dangerous properties of the product and the necessary safety instructions.

National regulation: Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 with amendments.  
Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, with amendments.  
The Control of Substances Hazardous to Health Regulations 2002 (S.I 2002 No. 2677) with amendments.  
The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (S.I 2009 No. 716).  
EH40/2005, Workplace exposure limits 2005, with amendments.  
The Aerosol Dispensers Regulations 2009 (SI 2824), with amendments.  
The Management of Health and Safety at Work Regulations 1999 (SI 1999 No. 3242), with amendments.  
The List of Wastes (England) (Amendment) Regulations 2005. (SI 2005 No. 895).

### **15.2. Chemical Safety Assessment**

CSA status: Not relevant.

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## SECTION 16: OTHER INFORMATION

For restrictions on use see section 15.

The user must be instructed in the proper work procedure and be familiar with the contents of these instructions.

Handling of used oils:

Protect health - avoid prolonged and repeated skin contact. Wash with soap and water. Protect the environment - do not pollute drains, water courses or the soil. Contact your local authority for any used oil disposal instructions.

The following sections contain revisions or new statements: 1, 2, 3, 8, 13, 16.

Additional information: Classification according to Regulation (EC) No. 1272/2008:  
Calculation method.

Wording of

R-phrases/H-statements:

EUH066	Repeated exposure may cause skin dryness or cracking.
H220	Extremely flammable gas.
H222	Extremely flammable aerosol.
H229	Pressurised container: May burst if heated.
H304	May be fatal if swallowed and enters airways.
R12	Extremely flammable.
R65	Harmful: may cause lung damage if swallowed.
R66	Repeated exposure may cause skin dryness or cracking.

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The information on this data sheet represents our current data and is reliable provided that the product is used under the prescribed conditions and in accordance with the application specified on the packaging and/or in the technical guidance literature. Any other use of the product which involves using the product in combination with any other product or any other process is the responsibility of the user.

Made by DHI - Environment and Toxicology, Agern Allé 5, DK-2970 Hørsholm, Denmark.  
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