

SAFETY DATA SHEET

DRY LUBE

Page: 1

Compilation date: 17-03-2014

Revision No: 1

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

1.1. Product identifier

Product name: DRY LUBE

Product code: 1006

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

Use of substance / mixture: PC24: Lubricants, greases, release products.

1.3. Details of the supplier of the safety data sheet

Company name: ProPart International B.V.

Molenakker 3

Reuver

5953 TW

The Netherlands

Tel: +31 (0) 77 476 2368

Fax: +31 (0) 77 476 2424

Email: info@propart-international.com

1.4. Emergency telephone number

Emergency tel: +31 (0) 77 476 2368 (08.30-17.00)

Section 2: Hazards identification

2.1. Classification of the substance or mixture

Classification under CLP: Aquatic Chronic 2: H411; Eye Irrit. 2: H319; Flam. Aerosol 1: H222; STOT SE 3: H336; -: H229; -: EUH066

Most important adverse effects: Extremely flammable aerosol. Pressurised container: May burst if heated. Toxic to aquatic life with long lasting effects. Causes serious eye irritation. May cause drowsiness or dizziness. Repeated exposure may cause skin dryness or cracking.

2.2. Label elements

Label elements:

Hazard statements: H222: Extremely flammable aerosol.

H229: Pressurised container: May burst if heated

H411: Toxic to aquatic life with long lasting effects.

H319: Causes serious eye irritation.

H336: May cause drowsiness or dizziness.

EUH066: Repeated exposure may cause skin dryness or cracking.

Hazard pictograms: GHS02: Flame

GHS07: Exclamation mark

GHS09: Environmental

[cont...]

SAFETY DATA SHEET

DRY LUBE

Page: 2



Signal words: Danger

Precautionary statements: P501: Dispose of contents/container to waste according to local/regional/national/international regulations.

P101: If medical advice is needed, have product container or label at hand.

P102: Keep out of reach of children.

P103: Read label before use.

P260: Do not breathe dust/fumes/gas/mist/vapours/spray.

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.

P211: Do not spray on an open flame or other ignition source.

P410+412: Protect from sunlight. Do not expose to temperatures exceeding 50 °C.

2.3. Other hazards

PBT: This product is not identified as a PBT/vPvB substance.

Section 3: Composition/information on ingredients

3.2. Mixtures

Hazardous ingredients:

PENTANE

EINECS	CAS	PBT / WEL	CLP Classification	Percent
203-692-4	109-66-0	-	Flam. Liq. 2: H225; Asp. Tox. 1: H304; STOT SE 3: H336; Aquatic Chronic 2: H411; -: EUH066	35.000%

PROPANE

200-827-9	74-98-6	Substance with a Community workplace exposure limit.	Flam. Gas 1: H220; Press. Gas: H280	22.000%
-----------	---------	--	-------------------------------------	---------

BUTANE

203-448-7	106-97-8	Substance with a Community workplace exposure limit.	Flam. Gas 1: H220; Press. Gas: H280	16.000%
-----------	----------	--	-------------------------------------	---------

ISOBUTANE

200-857-2	75-28-5	Substance with a Community workplace exposure limit.	Flam. Gas 1: H220; Press. Gas: H280	16.000%
-----------	---------	--	-------------------------------------	---------

[cont...]

SAFETY DATA SHEET

DRY LUBE

Page: 3

PROPAN-2-OL

200-661-7	67-63-0	-	Flam. Liq. 2: H225; Eye Irrit. 2: H319; STOT SE 3: H336	11.000%
-----------	---------	---	--	---------

Section 4: First aid measures

4.1. Description of first aid measures

- Skin contact:** Remove all contaminated clothes and footwear immediately unless stuck to skin.
- Eye contact:** Bathe the eye with running water for 15 minutes. If irritation persists, consult a doctor.
- Ingestion:** Drink plenty of water and provide fresh air. Call a doctor immediately.
- Inhalation:** Remove casualty from exposure ensuring one's own safety whilst doing so. Move to fresh air in case of accidental inhalation of vapours. Consult a doctor.

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

- Skin contact:** There may be irritation and redness at the site of contact.
- Eye contact:** There may be irritation and redness. The eyes may water profusely.
- Ingestion:** There may be soreness and redness of the mouth and throat. Nausea and stomach pain may occur. There may be vomiting.
- Inhalation:** There may be irritation of the throat with a feeling of tightness in the chest.

Delayed / immediate effects: Immediate effects can be expected after short-term exposure.

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

Immediate / special treatment: Not applicable.

Section 5: Fire-fighting measures

5.1. Extinguishing media

Extinguishing media: Suitable extinguishing media for the surrounding fire should be used. Use water spray to cool containers. Carbon dioxide. Dry chemical powder. Water spray. Alcohol resistant foam. Do not use water jet.

5.2. Special hazards arising from the substance or mixture

Exposure hazards: In combustion emits toxic fumes.

5.3. Advice for fire-fighters

Advice for fire-fighters: Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

Section 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions: Refer to section 8 of SDS for personal protection details. If outside do not approach from downwind. If outside keep bystanders upwind and away from danger point. Mark out the contaminated area with signs and prevent access to unauthorised personnel. Turn leaking containers leak-side up to prevent the escape of liquid. Eliminate all sources of ignition.

[cont...]

SAFETY DATA SHEET

DRY LUBE

Page: 4

6.2. Environmental precautions

Environmental precautions: Do not discharge into drains or rivers. Contain the spillage using bunding.

6.3. Methods and material for containment and cleaning up

Clean-up procedures: Absorb into dry earth or sand. Transfer to a closable, labelled salvage container for disposal by an appropriate method.

6.4. Reference to other sections

Reference to other sections: Refer to section 8 of SDS. Refer to section 13 of SDS.

Section 7: Handling and storage

7.1. Precautions for safe handling

Handling requirements: Avoid direct contact with the substance. Ensure there is sufficient ventilation of the area.
Do not handle in a confined space. Avoid the formation or spread of mists in the air.
Smoking is forbidden.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions: Store in a cool, well ventilated area. Keep away from sources of ignition. Keep container tightly closed. Keep away from direct sunlight. Prevent the build up of electrostatic charge in the immediate area. The floor of the storage room must be impermeable to prevent the escape of liquids.

7.3. Specific end use(s)

Specific end use(s): No data available.

Section 8: Exposure controls/personal protection

8.1. Control parameters

Hazardous ingredients:

PENTANE

Workplace exposure limits:

Respirable dust

State	Workplace exposure limits		Respirable dust	
	8 hour TWA	15 min. STEL	8 hour TWA	15 min. STEL
UK	1800 mg/m ³	-	-	-

PROPANE

UK	1800 mg/m ³	7200 mg/m ³	-	-
----	------------------------	------------------------	---	---

BUTANE

UK	1450 mg/m ³	1810 mg/m ³	-	-
----	------------------------	------------------------	---	---

[cont...]

SAFETY DATA SHEET

DRY LUBE

Page: 5

ISOBUTANE

UK	2400 mg/m ³	9600 mg/m ³	-	-
----	------------------------	------------------------	---	---

PROPAN-2-OL

UK	999 mg/m ³	1250 mg/m ³	-	-
----	-----------------------	------------------------	---	---

DNEL/PNEC Values

DNEL / PNEC No data available.

8.2. Exposure controls

Engineering measures: Ensure there is sufficient ventilation of the area. The floor of the storage room must be impermeable to prevent the escape of liquids.

Respiratory protection: Self-contained breathing apparatus must be available in case of emergency.

Hand protection: Not applicable.

Eye protection: Not applicable.

Skin protection: Not applicable.

Section 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

State: Aerosol

Colour: According to product specification.

Odour: Characteristic odour

Evaporation rate: Not applicable.

Solubility in water: Not / slightly miscible.

Viscosity: No data available.

Boiling point/range°C: Not applicable.

Melting point/range°C: No data available.

Flammability limits %: lower: 1,4

upper: 12,0

Flash point°C: <0

Part.coeff. n-octanol/water: No data available.

Autoflammability°C: No autoignition

Vapour pressure: 3500 hPa

Relative density: No data available.

pH: No data available.

VOC g/l: 601,4 g/l - EU-VOC in % 99,75%

9.2. Other information

Other information: Ignition temperature: 285°C. Density: 0,60288 g/cm³ (20°C). Solvent content: organic solvent: 98,8%. Solids level: 1,2%.

Section 10: Stability and reactivity

10.1. Reactivity

Reactivity: Stable under recommended transport or storage conditions.

[cont...]

SAFETY DATA SHEET

DRY LUBE

Page: 6

10.2. Chemical stability

Chemical stability: Stable under normal conditions.

10.3. Possibility of hazardous reactions

Hazardous reactions: Hazardous reactions will not occur under normal transport or storage conditions.
Decomposition may occur on exposure to conditions or materials listed below.

10.4. Conditions to avoid

Conditions to avoid: Heat.

10.5. Incompatible materials

Materials to avoid: Strong oxidising agents. Strong acids.

10.6. Hazardous decomposition products

Haz. decomp. products: In combustion emits toxic fumes.

Section 11: Toxicological information

11.1. Information on toxicological effects

Hazardous ingredients:

PENTANE

IVN	MUS	LD50	446	mg/kg
ORL	RAT	LD50	400	mg/kg

PROPAN-2-OL

IVN	RAT	LD50	1088	mg/kg
ORL	MUS	LD50	3600	mg/kg
ORL	RAT	LD50	5045	mg/kg
SCU	MUS	LDLO	6	gm/kg

Relevant hazards for substance:

Hazard	Route	Basis
Serious eye damage/irritation	OPT	Hazardous: calculated
STOT-single exposure	-	Hazardous: calculated

Symptoms / routes of exposure

Skin contact: There may be irritation and redness at the site of contact.

Eye contact: There may be irritation and redness. The eyes may water profusely.

Ingestion: There may be soreness and redness of the mouth and throat. Nausea and stomach pain may occur. There may be vomiting.

Inhalation: There may be irritation of the throat with a feeling of tightness in the chest.

Delayed / immediate effects: Immediate effects can be expected after short-term exposure.

[cont...]

SAFETY DATA SHEET

DRY LUBE

Page: 7

Section 12: Ecological information

12.1. Toxicity

Ecotoxicity values:

Species	Test	Value	Units
CAS 109-66-0	-	-	-
Daphnia magna	48H EC50	9,7	mg/l
FISH	96H LC50	1-10	mg/l
CAS 67-63-0	-	-	-
FISH	96H LC50 (dynamisch)	4200	mg/l

12.2. Persistence and degradability

Persistence and degradability: No data available.

12.3. Bioaccumulative potential

Bioaccumulative potential: No data available.

12.4. Mobility in soil

Mobility: No data available.

12.5. Results of PBT and vPvB assessment

PBT identification: This product is not identified as a PBT/vPvB substance.

12.6. Other adverse effects

Other adverse effects: Toxic to aquatic organisms. Water hazard class (NL) 6: Toxic to aquatic organisms in water; may cause long-term adverse effects in the aquatic environment. Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water.

Section 13: Disposal considerations

13.1. Waste treatment methods

Disposal operations: Transfer to a suitable container and arrange for collection by specialised disposal company. Must not be disposed together with household garbage or into the sewage system.

Waste code number: 14 06 03

Disposal of packaging: Uncontaminated packaging can be recycled.

NB: The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

Section 14: Transport information

14.1. UN number

UN number: UN1950

[cont...]

SAFETY DATA SHEET

DRY LUBE

Page: 8

14.2. UN proper shipping name

Shipping name: AEROSOLS

14.3. Transport hazard class(es)

Transport class: 2

14.4. Packing group

14.5. Environmental hazards

Environmentally hazardous: Yes

Marine pollutant: No

14.6. Special precautions for user

Special precautions: Warning: Gases. EMS number:F-D,S-U.

Tunnel code: D

Transport category: 2

Section 15: Regulatory information

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

15.2. Chemical Safety Assessment

Chemical safety assessment: A chemical safety assessment has not been carried out for the substance or the mixture by the supplier.

Section 16: Other information

Other information

Other information: This safety data sheet is prepared in accordance with Regulation (EC) No. 1907/2006.
This safety data sheet is prepared in accordance with Commission Regulation (EC) No 1272/2008.

* indicates text in the SDS which has changed since the last revision.

Phrases used in s.2 and s.3: EUH066: Repeated exposure may cause skin dryness or cracking.

H220: Extremely flammable gas.

H222: Extremely flammable aerosol.

H225: Highly flammable liquid and vapour.

H229: Pressurised container: May burst if heated

H304: May be fatal if swallowed and enters airways.

H319: Causes serious eye irritation.

H336: May cause drowsiness or dizziness.

H411: Toxic to aquatic life with long lasting effects.

Legal disclaimer: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.