



# Safety data sheet

## HOLMENKOL 22420 Lube classic + care OLI-FX-HKLCC

### 1. Identification of the substance/preparation and of the company/undertaking

Prepared on: 07.11.2006/ DR. H	Supplier: <b>HOLMENKOL Sport-Technologies GmbH &amp; Co. KG</b> <b>Leonberger Str. 56-62</b> <b>D-71254 Ditzingen</b> <b>Tel:+49 (0)7156 / 357-260 Fax:+49 (0)7156 / 357-261</b> <b>Emergency telephone number: National:+49 (0)30/19240</b> <b>(Giftnotruf Berlin) International: +1 352 323 3500</b> <b>(Infotrac)</b>
<b>Product use:</b> Solution of lubricants and additives in isopropyl alcohol and hydrocarbons as solvents, filled with propane/butane/isobutane as propellants.	

### 2. Composition/information on ingredients

Einecs no.	Substances	Classification	w/w%
203-905-0	2-butoxyethanol	Xn;R20/21/22 Xi;R36/38	<1
215-137-3	Calcium hydroxide	Xi;R41	<1
265-149-8	Distillates (petroleum), hydrotreated light	Xn;R65,66	1- 5
265-150-3	Naphtha (petroleum), hydrotreated heavy	R10, Xn;R65 R66	1- 5
265-151-9	n-, iso- und cyclo-aliphatic hydrocarbons, C8 - C10	R10, Xn;R65 R66 R67	1- 5
200-661-7	propan-2-ol	F;R11 Xi;R36 R67	25-50

Please see section 16 for the full text of the R-phrases

### 3. Hazards identification

Extremely flammable. Irritating to eyes. Vapours may cause drowsiness and dizziness.
<b>Additional information</b> Danger of bursting (explosion) when heated. When using: development of explosive vapour/air mixture possible. May cause slight irritation to the skin and eyes.

### 4. First aid measures

<b>Inhalation</b> Seek fresh air.
<b>Ingestion</b> Do not induce vomiting.
<b>Skin</b> Wash skin with soap and water.
<b>Eyes</b> Flush immediately with water (preferably using eye wash equipment) for at least 5 minutes. Open eye wide. Remove any contact lenses.

### 5. Fire-fighting measures

Extinguish with powder, foam, carbon dioxide or water mist. Do not use water spray, as it may spread the fire. Use water or water mist to cool non-ignited stock. Remove containers from the danger area if this is possible without risk. Do not inhale vapours and flue gases - seek fresh air.
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### 6. Accidental release measures

Dam spill and collect with sand, kieselguhr or other absorbent non-flammable material and place in suitable waste containers. For information on disposal please see item 13. Do not discharge spills into drains and/or surface water.
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### 7. Handling and storage

#### Handling

Smoking and naked flames prohibited. Ensure good ventilation.

#### Storage

Observe official regulations for storage of aerosols (TRG 300, German regulation)

### 8. Exposure controls/ personal protection

#### Precautions for use

Wash hands before breaks and after work.

#### Respiratory protection

Not required.

#### Gloves and protective clothing

Wear protective nitrile gloves (EN 374)

#### Eye protection

Wear safety goggles/face protection.

#### Occupational exposure limits

Ingredients	Exposure limit	Remarks
isobutane	1000 ppm 2400 mg/m <sup>3</sup>	-
butane	1000 ppm 2400 mg/m <sup>3</sup>	-
propane	1000 ppm 1800 mg/m <sup>3</sup>	-
Distillates (petroleum), hydrotreated light	200 ppm 1000 mg/m <sup>3</sup>	-
Naphtha (petroleum), hydrotreated heavy	200 ppm 1000 mg/m <sup>3</sup>	-
n-, iso- und cyclo-aliphatic hydrocarbons, C8 - C10	200 ppm 1000 mg/m <sup>3</sup>	-
propan-2-ol	200 ppm 500 BGW: 50 mg/l mg/m <sup>3</sup>	Y

(EH40/2002 Occupational Exposure Limits 2002)

#### Control methods

Compliance with occupational exposure limits may be checked by occupational hygiene measurements

### 9. Physical and chemical properties

Appearance: aerosol

Colour: yellow

Odour: like alcohol and hydrocarbons

Density of active agent 20 °C: 0,81 g/cm<sup>3</sup>

Pressure 20 °C: 4,5 bar

Explosive properties: 1,0-11,2 %v/v

Explosion hazard: Product is not explosive. Formation of explosive mixtures may be possible.

Solubility in water: not soluble/immiscible with water

### 10. Stability and reactivity

The product is stable if used in accordance with supplier's instructions. Conditions to avoid:

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### 11. Toxicological information

#### **Acute**

##### **Inhalation**

The product contains small quantities of organic solvents. When working in large areas in poorly ventilated rooms, the vapours may cause headache and dizziness.

##### **Ingestion**

##### **Skin contact**

##### **Eye contact**

#### **Long-term effects**

### 12. Ecological information

Avoid discharge into drains or surface water.

#### **Ecotoxicity**

Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

#### **Persistence and degradability**

According to the recipe, contains no AOX.

### 13. Disposal considerations

### 14. Transport information

The product must be transported in accordance with national and/or international rules for transport of dangerous goods by road and sea according to ADR and IMDG.

**ADR:** UN 1950 ; AEROSOLS, FLAMMABLE ; 2.1 ;

**IMDG:** UN 1950 ; AEROSOLS, FLAMMABLE ; 2.1 ;

Classification code: 5F Label ADR: 2.1 Hazard identification number:

Flash point: -80°C Label IMDG: 2.1 IMDG EmS.: F-D,S-U

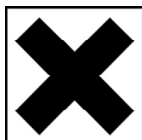
Transport according to ADR 1.1.3.6:Factor: 3. Maximum total quantity each transported unit: 300 kg.

\* Is to be labelled: "UN 1950 AEROSOL"

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### 15. Regulatory information



Irritant



Extremely flammable

**Hazard designation:** Irritant; Extremely flammable

**Hazard symbols:** Xi;F+

#### R-phrases

Extremely flammable. (R12)

Irritating to eyes. (R36)

Vapours may cause drowsiness and dizziness. (R67)

#### S-phrases

Keep out of the reach of children. (S2)

Keep away from sources of ignition - No smoking. (S16)

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. (S26)

Use only in well ventilated areas. (S51)

#### Other labelling

### 16. Other information

#### Packaging

tin plate aerosol can, 250 ml

#### Sources used

Directive 1999/45/EC Directive 67/548/EEC Restrictive guidelines 76/769/EEC Directive 2001/58/EC (amending for the second time Directive 91/155/EEC)

#### Other information

VOC-CH: 0,144 kg/250 ml

VOC 1999/13/EG: 84,5 % w/w

This safety data sheet was prepared on the basis of information from the supplier on the product (e.g. material data sheets and the like).

#### Full text of the R-phrases in section 2

R10 Flammable.

R11 Highly flammable.

R20/21/22 Harmful by inhalation, in contact with skin and if swallowed.

R36 Irritating to eyes.

R36/38 Irritating to eyes and skin.

R41 Risk of serious damage to eyes.

R65 Harmful: May cause lung damage if swallowed.

R66 Repeated exposure may cause skin dryness or cracking.

R67 Vapours may cause drowsiness and dizziness.

(Made in Toxido®)