

## Safety data sheet according to Regulation (EC) No 1907/2006, Annex II

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

#### Identification of the substance or preparation

**PRO-LINE DROSSELKL.-REIN. 400ml**  
**Art.: 5111**

#### Use of the substance/preparation

Cleaner

#### Company/undertaking identification

LIQUI MOLY GmbH, Jerg-Wieland-Straße 4, D-89081 Ulm-Lehr  
Telephone (+49) 0731-1420-0, Fax (+49) 0731-1420-88

E-mail address of the competent person: [info@chemical-check.de](mailto:info@chemical-check.de), [k.schnurbusch@chemical-check.de](mailto:k.schnurbusch@chemical-check.de)

#### Emergency telephone

#### Advisory office in case of poisoning:

Tel.:

#### Telephone number of the company in case of emergencies:

Tel. (+49) 0731-1420-0

### 2. HAZARDS IDENTIFICATION

#### To people

See point 11 and 15.

Preparation is classified as hazardous in the sense of directive 1999/45/EC.

Product is extremely flammable.

When using: development of explosive vapour/air mixture possible.

Irritation of the eyes

Inhalation:

Product is dangerous to health.

Vapours may cause drowsiness and dizziness.

Skin contact:

Product is dangerous to health.

Irritation of the skin.

Repeated exposure may cause skin dryness or cracking.

Ingestion:

Product is dangerous to health.

#### To the environment

See point 12.

### REGULATION (EC) No 648/2004

30 % and more  
aromatic hydrocarbons

BENZYL ALCOHOL

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

<b>Chemical name</b>	
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Safety data sheet according to Regulation (EC) No 1907/2006, Annex II  
 Revision: 09.09.2009 Replaces the version of: 19.02.2009 PDF date: 09.09.2009  
 PRO-LINE DROSSELKL.-REIN. 400ml Art.: 5111

content %	Symbol Registration number (ECHA)	R-phrases	EINECS, ELINCS
Benzyl alcohol			
10 - 20	Xn	20/22	202-859-9
Xylene			
30 - 50	Xn/Xi	10-20/21-38	215-535-7
Acetone			
20 - 30	F/Xi	11-36-66-67	200-662-2
Fatty alcohol polyglycol ether			
0,1 -< 1	Xi/N	41-51-53	

For complete wording of the R-phrases, refer to point 16.

## 4. FIRST AID MEASURES

### 4.1 Inhalation

Remove person from danger area.  
 Supply person with fresh air and consult doctor according to symptoms.  
 Respiratory arrest - Artificial respiration apparatus necessary.

### 4.2 Eye contact

Wash thoroughly for several minutes using copious water.  
 Consult medical specialist.  
 Keep Data Sheet available.

### 4.3 Skin contact

Wash thoroughly using copious water - remove contaminated clothing immediately. If skin irritation occurs (redness etc.), consult doctor.

### 4.4 Ingestion

Rinse the mouth thoroughly with water.  
 Do not induce vomiting - give copious water to drink. Consult doctor immediately.  
 Immediate admittance to a hospital.

### 4.5 Special resources necessary for first aid

n.c.

## 5. FIRE-FIGHTING MEASURES

### 5.1 Suitable extinguishing media

CO<sub>2</sub>  
 Extinction powder  
 Water jet spray  
 Cool container at risk with water.

### 5.2 Extinguishing media which shall not be used for safety reasons

High volume water jet

### 5.3 Special exposure hazards arising from the substance or preparation itself, combustion products, resulting gases

In case of fire the following can develop:  
 Oxides of carbon  
 Toxic pyrolysis products.  
 Explosive vapour/air mixture  
 In case of spreading near the ground, flashback to distance sources of ignition is possible.

### 5.4 Special protective equipment for fire-fighters

Protective respirator with independent air supply.

### 5.5 Further information

Dispose of contaminated extinction water according to official regulations.

## 6. ACCIDENTAL RELEASE MEASURES

Safety data sheet according to Regulation (EC) No 1907/2006, Annex II  
 Revision: 09.09.2009 Replaces the version of: 19.02.2009 PDF date: 09.09.2009  
 PRO-LINE DROSSELKL.-REIN. 400ml Art.: 5111

Refer to point 13. and for personal protection refer to point 8.

### 6.1 Personal precautions

Remove possible causes of ignition - do not smoke.  
 Ensure sufficient supply of air.  
 Avoid inhalation, and contact with eyes or skin.

### 6.2 Environmental precautions

If leakage occurs, dam up.  
 Prevent from entering drainage system.  
 Prevent surface and ground-water infiltration, as well as ground penetration.

### 6.3 Methods for cleaning up

If spray or gas escapes, ensure ample fresh air is available.  
 Active substance:  
 Collect using absorbant material (e.g. Universal binding medium), and dispose of according to point 13.  
 Only from a specialist.

## 7. HANDLING AND STORAGE

### 7.1 Handling

#### Tips for safe handling:

See point 6.1  
 Ensure good ventilation.  
 Keep away from sources of ignition - Do not smoke.  
 Take measures against electrostatic charging, if appropriate.  
 Do not use on hot surfaces.  
 Eating, drinking, smoking, as well as food-storage, is prohibited in work-room.  
 Wash hands before breaks and at end of work.  
 Observe directions on label and instructions for use.  
 Use working methods according to operating instructions.

### 7.2. Storage

#### Requirements for storage rooms and containers:

Not to be stored in gangways or stair wells.  
 Store product closed and only in original packing.  
 Do not store with oxidizing agents.  
 Observe special regulations for aerosols!

#### Special storage conditions:

See point 10  
 Store in a well ventilated place.  
 Keep protected from direct sunlight and temperatures over 50°C.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1 Exposure limit values

Chemical Name	Xylene	Content %:30 - 50	
WEL-TWA: 50 ppm (220 mg/m <sup>3</sup> ) (WEL), 50 ppm (221 mg/m <sup>3</sup> ) (EC)	WEL-STEL: 100 ppm (441 mg/m <sup>3</sup> ) (WEL), 100 ppm (442 mg/m <sup>3</sup> ) (EC)	---	
BMGV: 650 mmol methyl hippuric acid/mol creatinine in urine, post shift (Xylene, o-, m-, p- or mixed isomers) (BMGV)	Other information: Sk (WEL)		
Chemical Name	Acetone	Content %:20 - 30	
WEL-TWA: 500 ppm (1210 mg/m <sup>3</sup> ) (WEL, EC)	WEL-STEL: 1500 ppm (3620 mg/m <sup>3</sup> ) (WEL)	---	
BMGV: ---	Other information: ---		
Chemical Name	Carbon dioxide	Content %:	
WEL-TWA: 5000 ppm (9150 mg/m <sup>3</sup> ) (WEL), 5000 ppm (9000 mg/m <sup>3</sup> ) (EC)	WEL-STEL: 15000 ppm (27400 mg/m <sup>3</sup> ) (WEL)	---	
BMGV: ---	Other information: ---		

Safety data sheet according to Regulation (EC) No 1907/2006, Annex II  
 Revision: 09.09.2009 Replaces the version of: 19.02.2009 PDF date: 09.09.2009  
 PRO-LINE DROSSELKL.-REIN. 400ml Art.: 5111

WEL-TWA = Workplace Exposure Limit - Long-term exposure limit (8-hour TWA (= time weighted average) reference period) EH40. AGW = "Arbeitsplatzgrenzwert" (workplace limit value, Germany). | WEL-STEL = Workplace Exposure Limit - Short-term exposure limit (15-minute reference period). | BMGV = Biological monitoring guidance value EH40. BGW = "Biologischer Grenzwert" (biological limit value, Germany) | Other information: Sen = Capable of causing occupational asthma. Sk = Can be absorbed through skin. Carc = Capable of causing cancer and/or heritable genetic damage.

\*\* = The exposure limit for this substance is repealed through the TRGS 900 (Germany) of January 2006 with the goal of revision.

## 8.2 Exposure controls

### 8.2.1 Occupational exposure controls

Ensure good ventilation. This can be achieved by local suction or general air extraction.

If this is insufficient to maintain the concentration under the WEL or AGW values, suitable breathing protection should be worn.

Applies only if maximum permissible exposure values are listed here.

General hygiene measures for the handling of chemicals are applicable.

Wash hands before breaks and at end of work.

Keep away from food, drink and animal feedingstuffs.

Respiratory protection:

Normally not necessary.

If OES or MEL is exceeded.

Filter A (EN 14387)

Hand protection:

Safety gloves made of butyl (EN 374)

Permeation time (penetration time) in minutes:

> 120 (Level 4)

Eye protection:

Tight fitting protective goggles with side protection (EN 166).

Skin protection:

Oil resistant protective clothing (EN 13034)

Additional information on hand protection - No tests have been performed.

Selection made for preparations according to the best available knowledge and information on the ingredients.

Selection of materials derived from glove manufacturer's indications.

Final selection of glove material must be made taking the breakthrough times, permeation rates and degradation into account.

Selection of a suitable glove depends not only on the material but also on other quality characteristics and varies from manufacturer to manufacturer.

In the case of preparations the resistance of glove materials cannot be calculated in advance so it has to be tested before use. The exact breakthrough time of the glove material can be requested from the protective glove manufacturer and must be observed.

### 8.2.2 Environmental exposure controls

n.av.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state:	Aerosol
Colour:	Yellow
Odour:	Aromatic
pH-value undiluted:	n.av.
Boiling point/boiling range (°C):	65
Melting point/melting range (°C):	n.av.
Flash point (°C):	- 12
Oxidising properties:	No
Minimum limit of explosion:	1 Vol%
Maximum limit of explosion:	13 Vol%
Vapour pressure:	5000 hPa
Density (g/ml):	0,87
Water solubility:	Soluble, partially
Vapour density (air = 1):	Vapours heavier than air.

## 10. STABILITY AND REACTIVITY

### Conditions to avoid

See point 7

Stable when handled and stored correctly.

Heating, open flame, ignition sources

Pressure increase will result in danger of bursting.

### Materials to avoid

Safety data sheet according to Regulation (EC) No 1907/2006, Annex II  
 Revision: 09.09.2009 Replaces the version of: 19.02.2009 PDF date: 09.09.2009  
 PRO-LINE DROSSELKL.-REIN. 400ml Art.: 5111

See point 7

Avoid contact with oxidizing agents.

### Hazardous decomposition products

See point 5.3

## 11. TOXICOLOGICAL INFORMATION

### Acute toxicity and immediate effects

Ingestion, LD50 rat oral (mg/kg):	Harmful
Inhalation, LC50 rat inhal.(mg/l/4h):	Harmful
Skin contact, LD50 rat dermal (mg/kg):	See point 15.
Eye contact:	Irritant

### Delayed and chronic effects

Sensitization:	n.c.
Carcinogenicity:	n.c.
Mutagenicity:	n.c.
Reproductive toxicity:	n.c.
Narcosis:	Possible

### Further information

Classification according to calculation procedure.

The following may occur:

Irritation of the respiratory tract

Coughing

Headaches

Dizziness

Effects/damages the central nervous system

Dermatitis (skin inflammation)

Product removes fat.

Skin resorption

## 12. ECOLOGICAL INFORMATION

Water hazard class (Germany):	2
Self classification:	Yes (VwVwS)
Persistence and degradability:	
Biodegradable (90%) *	
91%/28d **	
Behaviour in sewage plants:	n.av.
According to the recipe, contains no AOX.	
Aquatic toxicity:	n.av.
Ecological toxicity:	n.av.
* Benzyl alcohol	
** Acetone	

## 13. DISPOSAL CONSIDERATIONS

### 13.1. for the material / preparation / residue

EC disposal code no.:

The waste codes are recommendations based on the scheduled use of this product.

Owing to the user's specific conditions for use and disposal, other waste codes may be allocated under certain circumstances. (2001/118/EC, 2001/119/EC, 2001/573/EC)

16 05 04 gases in pressure containers (including halons) containing dangerous substances

Recommendation:

Pay attention to local and national official regulations

E.g. suitable incineration plant.

### 13.2 for contaminated packing material

See point 13.1

Pay attention to local and national official regulations

If applicable

Return to manufacturer with residual pressure.

Do not perforate, cut up or weld uncleaned container.

Residues may present a risk of explosion.

Safety data sheet according to Regulation (EC) No 1907/2006, Annex II  
 Revision: 09.09.2009 Replaces the version of: 19.02.2009 PDF date: 09.09.2009  
 PRO-LINE DROSSELKL.-REIN. 400ml Art.: 5111

15 01 04 metallic packaging  
 15 01 10 packaging containing residues of or contaminated by dangerous substances

## 14. TRANSPORT INFORMATION

### General statements

UN-Number: 1950

### Road/Rail-transport (ADR/RID)

Class/packing group: 2/-

UN 1950 AEROSOLS

Classification code: 5F

LQ: 2

Tunnel restriction code: D



### Transport by sea

IMDG-code: 2.1/- (class/packing group)

EmS: F-D, S-U

Marine Pollutant: n.a.

AEROSOLS



### Transport by air

IATA: 2/- (class/secondary danger/packing group)

Aerosols, flammable

### Additional information:

Danger code and packing code on request.

## 15. REGULATORY INFORMATION

### Classification according to Dangerous Product Regulations incl. EC Directives (67/548/EEC and 1999/45/EC)



Symbols: F+/Xn

Indications of danger:

Extremely flammable

Harmful

R-phrases:

20/21/22 Harmful by inhalation, in contact with skin and if swallowed.

36/38 Irritating to eyes and skin.

S-phrases:

23 Do not breathe vapour.

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

35 This material and its container must be disposed of in a safe way.

36/37 Wear suitable protective clothing and gloves.

46 If swallowed, seek medical advice immediately and show this container or label.

51 Use only in well-ventilated areas.

Additions:

Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C.

Do not pierce or burn, even after use.

Do not spray on a naked flame or any incandescent material.

Keep away from sources of ignition - No smoking.

Keep out of the reach of children.

Without adequate ventilation, formation of explosive mixtures may be possible.

Xylene

Observe restrictions: Yes

Observe restrictive guidelines 76/769/EEC, 1999/51/EC, 1999/77/EC

Observe youth employment law (German regulation).

Observe law on protection of expectant mothers (German regulation).

Observe incident regulations.

VOC 1999/13/EC: 805 g/l

## 16. OTHER INFORMATION

These details refer to the product as it is delivered.

Storage class VCI (Germany): 2 B

Safety data sheet according to Regulation (EC) No 1907/2006, Annex II  
Revision: 09.09.2009 Replaces the version of: 19.02.2009 PDF date: 09.09.2009  
PRO-LINE DROSSELKL.-REIN. 400ml Art.: 5111

Revised points:

2, 15

The following phrases represent the prescribed R-phrases / H-phrases (GHS) for the ingredients (designated in point 3).

20/22 Harmful by inhalation and if swallowed.

10 Flammable.

20/21 Harmful by inhalation and in contact with skin.

38 Irritating to skin.

11 Highly flammable.

36 Irritating to eyes.

66 Repeated exposure may cause skin dryness or cracking.

67 Vapours may cause drowsiness and dizziness.

41 Risk of serious damage to eyes.

51 Toxic to aquatic organisms.

53 May cause long-term adverse effects in the aquatic environment.

### Legend:

n.a. = not applicable / n.v., k.D.v. = n.av. = not available / n.g. = n.c. = not checked

WEL = Workplace Exposure Limit EH40, TWA = Long-term exposure limit (8-hour TWA (= time weighted average) reference period), STEL =

Short-term exposure limit (15-minute reference period) / BMGV = Biological monitoring guidance value EH40

AGW = "Arbeitsplatzgrenzwert" (workplace limit value, Germany) / BGW = "Biologischer Grenzwert" (biological limit value, Germany)

VbF = Regulations for flammable liquids (Austria)

WGK = water hazard class (Germany) - WGK 3 = very hazardous, WGK 2 = hazardous, WGK 1 = slightly hazardous to water

VOC = Volatile organic compounds / AOX = Adsorbable organic halogen compounds

VwVwS = Administrative Order relating to substances hazardous to water (Germany)

The statements made here should describe the product with regard to the necessary safety precautions - they are

not meant to guarantee definite characteristics - but they are based on our present up-to-date knowledge.

No responsibility.

These statements were made by:

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