



Safety Data Sheet according to Regulation (EC)  
No. 1907/2006 (REACH)

Printed 11.01.2016  
revision 29.10.2015 (GB) Version 1.2

**Chain and Rope Lube Spray**

**SECTION 1: Identification of the substance/mixture and of the company/undertaking**

**1.1. Product identifier**

**Name of product**

Chain and Rope Lube Spray  
Code-Nr. 115000

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

**Recommended intended purpose(s)**

Technical Aerosols

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

**Distributor**

WEICON GmbH & Co. KG  
Königsberger Str. 255, DE-48157 Münster  
Postbox 48045, DE-8460 Münster  
Phone ++49(0)251 / 9322 - 0, Fax ++49(0)251 / 9322 - 244  
E-Mail : msds@weicon.de  
Internet : www.weicon.de

**Advice**

Produktsicherheit / Product-Safety-Department  
Phone ++49(0)251 / 9322 - 0  
E-mail (competent person):  
msds@weicon.de

**1.4. Emergency telephone number**

GIZ Bonn (German, English) Tel: ++49(0)228-19 240  
TRANSPORT: Consultank Lutz Harder GmbH Tel: +49(0)178  
433 7434 (24h Emergency Contact)

**Manufacturer**

WEICON GmbH & Co. KG  
Königsberger Str. 255, DE-48157 Münster

**1.4. Emergency telephone number**

**Emergency advice**

-  
Phone -  
GIZ Bonn (Medizinische Auskunft in Deutsch und Englisch)  
Tel: ++49(0)228-19 240  
TRANSPORT: Consultank Lutz Harder GmbH Tel: +49(0)178  
433 7434 (24h Emergency Contact)

**SECTION 2: Hazards identification**

**2.1. Classification of the substance or mixture**

**Classification according to Regulation (EC) No 1272/2008 [CLP/GHS]**

Hazard classes and Hazard categories	Hazard Statements	Classification procedure
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Aerosol 1	H222, H229	
Skin Irrit. 2	H315	
STOT SE 3	H336	
Aquatic Chronic 3	H412	

**Hazard Statements**

H222	Extremely flammable aerosol.
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H229	Pressurised container: May burst if heated.
H315	Causes skin irritation.
H336	May cause drowsiness or dizziness.
H412	Harmful to aquatic life with long lasting effects.

## 2.2. Label elements

Labelling according to Regulation (EC) No 1272/2008 [CLP/GHS]



GHS02



GHS07

### Signal word

Danger

### Hazard Statements

H222	Extremely flammable aerosol.
H229	Pressurised container: May burst if heated.
H315	Causes skin irritation.
H336	May cause drowsiness or dizziness.
H412	Harmful to aquatic life with long lasting effects.

### Precautionary Statements

P102	Keep out of reach of children.
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P211	Do not spray on an open flame or other ignition source.
P251	Do not pierce or burn, even after use.
P261	Avoid breathing vapours/spray.
P264	Wash hands thoroughly after handling.
P271	Use only outdoors or in a well-ventilated area.
P273	Avoid release to the environment.
P280	Wear protective gloves/eye protection.
P302 + P352	IF ON SKIN: Wash with plenty of soap and water.
P304 + P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P312	Call a POISON CENTER or doctor/physician if you feel unwell.
P332 + P313	If skin irritation occurs: Get medical advice/attention.
P362	Take off contaminated clothing.
P403 + P233	Store in a well-ventilated place. Keep container tightly closed.
P405	Store locked up.
P410 + P412	Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.
P501	Dispose of contents/container to hazardous or special waste collection point.

### Hazardous ingredients for labeling

Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics

### ! Special rules for supplemental label elements for certain mixtures

Contains Orange sweet, ext. May produce an allergic reaction.

## 2.3. Other hazards

### Information pertaining to special dangers for human and environment

In use, may form flammable/explosive vapour-air mixture.

**Chain and Rope Lube Spray****Results of PBT and vPvB assessment**

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

**! SECTION 3: Composition/ information on ingredients****3.1. Substances**

not applicable

**3.2. Mixtures****Description**

Mixture of oils, solvents and propellant.

**! Hazardous ingredients**

CAS No	EC No	Name	[% weight]	Classification according to Regulation (EC) No 1272/2008 [CLP/GHS]
74-98-6	200-827-9	propane	10 - 25	Flam. Gas 1, H220 / Press. Gas
75-28-5	200-857-2	isobutane	25 - 50	Flam. Gas 1, H220 / Press. Gas
8028-48-6	232-433-8	Orange, süß, Extrakt	< 1	Flam. Liq. 3, H226 / Skin Irrit. 2, H315 / Skin Sens. 1, H317 / Asp. Tox. 1, H304 / Aquatic Acute 1, H400 / Aquatic Chronic 1, H410
64742-49-0	927-510-4	Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics	10 < 25	Flam. Liq. 2, H225 / Asp. Tox. 1, H304 / Aquatic Chronic 2, H411 / Skin Irrit. 2, H315 / STOT SE 3, H336

**REACH**

CAS No	Name	REACH registration number
64742-49-0	Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics	01-2119475515-33

**SECTION 4: First aid measures****4.1. Description of first aid measures****General information**

Remove contaminated soaked clothing immediately.

In the event of persistent symptoms receive medical treatment.

**In case of inhalation**

Remove the casualty into fresh air and keep him immobile.

In the event of symptoms refer for medical treatment.

**In case of skin contact**

In case of contact with skin wash off immediately with plenty of water.

Consult a doctor if skin irritation persists.

**In case of eye contact**

In case of contact with eyes rinse with plenty of water carefully. In the event of persistent symptoms seek medical treatment.

**In case of ingestion**

Do not induce vomiting.

Call for a doctor immediately.

Give water to drink in small sips.

**4.2. Most important symptoms and effects, both acute and delayed****Physician's information / possible symptoms**

Coughing

vomiting

Headache

Confusion

skin irritation



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

No information available.

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**SECTION 5: Firefighting measures**

**5.1. Extinguishing media**

**Suitable extinguishing media**

Alcohol-resistant foam

Dry fire-extinguishing substance

Carbon dioxide

Water spray jet

**Unsuitable extinguishing media**

Full water jet

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

May lead to formation of explosive/easily ignitable vapour air mixtures.

Danger of bursting

Dense, black smoke.

In case of fire formation of dangerous gases possible.

Carbon dioxide (CO<sub>2</sub>)

**5.3. Advice for firefighters**

**Special protective equipment for fire-fighters**

Fire-fighting operations, rescue and clearing work under effect of combustion and smoulder gases just may be done with breathing apparatus.

Do not inhale explosion and/or combustion gases.

**Additional information**

Fire residues and contaminated firefighting water must be disposed of in accordance with the local regulations.

Collect contaminated firefighting water separately, must not be discharged into the drains.

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**SECTION 6: Accidental release measures**

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

**For non-emergency personnel**

Ensure adequate ventilation.

Use personal protective clothing.

Keep away sources of ignition.

Use breathing apparatus if exposed to vapours/dust/aerosol.

**6.2. Environmental precautions**

Inform pollution control authorities if product gets into the sewerage systems or open waters.

Do not discharge into surface waters/groundwater.

Do not discharge into the drains/surface waters/groundwater.

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

Take up with absorbent material (e.g. sand, kieselguhr, acid binder, general-purpose binder, sawdust).

Ventilate area concerned

After taking up the material dispose according to regulation.

**Additional Information**

Sort out leaky cans and dispose according to regulations.

**6.4. Reference to other sections**

Safe handling: see section 7

Disposal: see section 13

Personal protection equipment: see section 8

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## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

#### Advice on safe handling

Care for thoroughly room ventilation, if necessary use in well ventilated area with local exhaust ventilation at workplace.  
Take the usual precautions when handling with chemicals.

#### General protective measures

Avoid contact with eyes and skin  
Do not inhale aerosols  
Ensure sufficient ventilation.

#### Hygiene measures

At work do not eat, drink and smoke.  
Remove soiled or soaked clothing immediately.  
Work in rooms with good ventilation.  
Wash hands before breaks and after work.

#### Advice on protection against fire and explosion

Keep away from sources of ignition - No smoking  
Do not spray on a naked flame or any incandescent material.  
Protect from heat and sunlight.  
Vapours can form an explosive mixture with air.  
Take precautionary measures against static discharges.

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

#### Requirements for storage rooms and vessels

Adhere to administrative regulations relating to storage of compressed gas cylinders / containers.

#### Advice on storage compatibility

Do not store with combustible materials.  
Do not store together with animal feedstuffs.  
Do not store together with food.  
Do not store together with oxidizing agents.

#### Further information on storage conditions

Protect from sparks and flames.  
Keep container tightly closed and store at cool and aired place.  
Protect from heat and direct solar radiation.  
Storage temperature may not exceed 40°C (=104°F).  
Recommended storage temperature: room temperature.

### 7.3. Specific end use(s)

#### Recommendation(s) for intended use

See section 1.2

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## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### Additional advice

The statutory local and national regulations have to be observed.

### 8.2. Exposure controls

#### Respiratory protection

In case of insufficient ventilation or long-term effect use breathing apparatus.  
Short-term: filter apparatus, filter AX, otherwise environment-independent breathing apparatus.

#### Hand protection

In the cases of special applications, it is recommended to check the chemical resistance with the manufacturer of the gloves.



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In the cases of special applications, it is recommended to check the chemical resistance with the manufacturer of the gloves.

Glove material specification [make/type, thickness, permeation time/life, wetting resistance]: Nitrile rubber; 0,4mm; 480min;60min.

#### Eye protection

tightly fitting goggles

#### Other protection measures

protective clothing

#### Appropriate engineering controls

Care for thoroughly room ventilation, if necessary use in well ventilated area with local exhaust ventilation at workplace.

## SECTION 9: Physical and chemical properties

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

#### Appearance

aerosol

#### Colour

yellowish

#### Odour

characteristic

#### Odour threshold

not determined

#### Important health, safety and environmental information

	Value	Temperature	at	Method	Remark
<b>pH value</b>	not determined				
<b>boiling point</b>	80 - 100 °C				CAS: 64742-49-0
<b>melting point</b>	not determined				
<b>Flash point</b>	not applicable				Aerosol
<b>Vapourisation rate</b>	not determined				
<b>Flammable (solid)</b>	not applicable				
<b>Flammability (gas)</b>	not applicable				
<b>Ignition temperature</b>	not determined				
<b>Self ignition temperature</b>	not determined				
<b>Lower explosion limit</b>	1,4 Vol-%				Isobutane
<b>Upper explosion limit</b>	10,8 Vol-%				Propane
<b>Vapour pressure</b>	not determined				
<b>Relative density</b>	0,855 g/cm <sup>3</sup>				active agent
<b>Vapour density</b>	not determined				
<b>Solubility in water</b>					No or low immiscibility
<b>Solubility/other</b>	not determined				



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	Value	Temperature	at	Method	Remark
<b>Partition coefficient n-octanol/water (log P O/W)</b>	not determined				
<b>Decomposition temperature</b>	not determined				
<b>Viscosity dynamic</b>	not determined				
<b>Viscosity kinematic</b>	not determined				

### **Oxidising properties**

No information available.

### **Explosive properties**

The product is considered non-explosive ; nevertheless explosive vapour/air mixtures can be generated .

### **9.2. Other information**

No information available.

## **SECTION 10: Stability and reactivity**

### **10.1. Reactivity**

No information available.

### **10.2. Chemical stability**

No information available.

### **10.3. Possibility of hazardous reactions**

Reactions with strong oxidising agents.

### **10.4. Conditions to avoid**

Keep away from heat.

Risk of bursting at temperatures above 50°C due to a pressure increase inside the container. Heating causes the pressure to increase. Risk of bursting through overheating.

### **10.5. Incompatible materials**

#### **Substances to avoid**

Oxidising agent, strong

### **10.6. Hazardous decomposition products**

Gases/vapours, toxic

Smoke.

Carbon monoxide and carbon dioxide.

### **Thermal decomposition**

Remark No decomposition if used as directed.

## **SECTION 11: Toxicological information**

### **11.1. Information on toxicological effects**

#### **Acute toxicity/Irritation/Sensitization**



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	Value/Validation	Species	Method	Remark
<b>LD50 acute oral</b>	> 8 ml/kg	rat		CAS: 64742-49-0
<b>LD50 acute dermal</b>	> 4 ml/kg	rat		CAS: 64742-49-0
<b>LC50 acute inhalation</b>	> 23,3 mg/l (4 h)	rat		CAS: 64742-49-0
<b>Skin irritation</b>	irritant			
<b>Eye irritation</b>	low irritant - no labeling duty			
<b>Skin sensitization</b>	slightly sensitizing			

**Subacute Toxicity - Carcinogenicity**

	Value	Species	Method	Validation
<b>Mutagenicity</b>				No experimental information on genotoxicity in vitro available.
<b>Reproduction-Toxicity</b>				No indications of toxic effects were observed in reproduction studies in animals.
<b>Carcinogenicity</b>				No indications of carcinogenic effects are available from long-term trials.

**Specific target organ toxicity (single exposure)**

May cause drowsiness or dizziness.

**Experiences made from practice**

Frequent and / or prolonged contact may lead to skin irritation

Vapours may cause dizziness, headaches and tiredness

Persons suffering from hypersensitivity (1 ppm ) showed sensitization.

May cause drowsiness or dizziness.

Frequent contact specially if dried out may cause skin and eye irritations.

**Additional information**

The product is to be handled with the caution usual with chemicals.

Other hazardous properties may not be excluded.

**SECTION 12: Ecological information****12.1. Toxicity****Ecotoxicological effects**

	Value	Species	Method	Validation
<b>Fish</b>	LL/EL/IL50 1 - 10 mg/l (96 h)	Fish		CAS: 64742-49-0
<b>Daphnia</b>	LL/EL/IL50 1 - 10 mg/l (48 h)	Daphnia magna		CAS: 64742-49-0
<b>Algae</b>	LL/EL/IL50 10 - 100 mg/l (72 h)	Green algae		CAS: 64742-49-0
<b>Bacteria</b>	LL/EL/IL50 10 - 100 mg/l (4 h)	activated sludge		CAS: 64742-49-0

**12.2. Persistence and degradability**





No information available.

#### 12.3. Bioaccumulative potential

The product has not been tested. Because of the product's consistency and low solubility in water bioavailability is not likely.

#### 12.4. Mobility in soil

No information available.

#### 12.5. Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

#### 12.6. Other adverse effects

##### General regulation

Harmful to aquatic life with long lasting effects.

Do not allow uncontrolled leakage of product into the environment.

Product is not allowed to be discharged into the ground water or aquatic environment.

Product is not allowed to be discharged into aquatic environment, drains or sewage treatment plants.

## ! SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

##### Waste code No.

15 01 11\*

##### Name of waste

metallic packaging containing a hazardous solid porous matrix (for example asbestos), including empty pressure containers

16 05 04\*

gases in pressure containers (including halons) containing hazardous substances

Wastes marked with an asterisk are considered to be hazardous waste pursuant to Directive 2008/98/EC on hazardous waste.

#### ! Recommendations for the product

Dispose of as hazardous waste.

#### Recommendations for packaging

Dispose of according to the local waste regulations.

#### General information

For proper waste disposal a complete emptying of the tin is necessary.

Assignment to a waste code number / waste identification according to the EWC is to be carried out on a sector or process-specific basis.

## SECTION 14: Transport information

	ADR/RID	IMDG	IATA-DGR
14.1. UN number	1950	1950	1950
14.2. UN proper shipping name	AEROSOLS	AEROSOLS	Aerosols, flammable
14.3. Transport hazard class(es)	2.1	2	2.1
14.4. Packing group	-	-	-
14.5. Environmental hazards	No	No	No



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**14.6. Special precautions for user**

No information available.

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

not applicable

**Land and inland navigation transport ADR/RID**

Hazard label(s) 2.1

tunnel restriction code D

Classification code 5F

transport in "limited quantities" according to 3.4 ADR is possible

**Marine transport IMDG**

MARINE POLLUTANT

**Transport/further information**

24h EMERGENCY CONTACT (TRANSPORT) +49(0)178 433 7434 (Consultank Lutz Harder GmbH)

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**! SECTION 15: Regulatory information**

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

**VOC standard**

VOC content	71 %
VOC value	465 g/L

**15.2. Chemical Safety Assessment**

Chemical safety assessments for substances in this mixture were not carried out.

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**! SECTION 16: Other information**

**! Recommended uses and restrictions**

National and local regulations concerning chemicals shall be observed.

For industrial use only.

**Further information**

Each user is responsible for the implementation of the national special regulations.

The information contained herein is based on the state of our knowledge. It characterizes the product with regard to the appropriate safety precautions. It does not represent a guarantee of the properties of the product.

Please observe the following disclaimer! --- Our safety data sheets have been compiled according to effective EU-directives, WITHOUT taking into account the special national directives concerning the handling of hazardous substances.

Indication of changes: "!" = Data changed compared with the previous version. Previous version: 1.1

H220	Extremely flammable gas.
H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H336	May cause drowsiness or dizziness.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.