

Chain Lube CL-500

1. Identification of product and company

1.1. Product identification

Product name: Chain Lube CL-500

Product code: 7215

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

Product description: Lubricant

Application: Lubricant

1.3. Details of the supplier of the safety data sheet

ChemTechniek Nederland
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1.4. Emergency telephone number

IN CASE OF EMERGENCY: +31 (0)318 - 821521

2. Hazards identification

2.1. Classification of the substance or mixture

The classification is according to the actual EG-lists, however the list is improved with information from the literature and material from the suppliers.

2.2. Label elements

Class: 2. flammable gases

Category: 1

Pictogram



Usage: Danger

Danger: Extremely flammable

2.3. Other hazards

Do not smoke during application.

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3. Composition of ingredients

3.1. Description

Lubricant based on a medical oil, additives, PTFE, pentane and propellant (propane-butane).

3.2. Dangerous components

CAS / EINECS	Product name	Dangers	Percentage
- / 270-9909	Propane/butane mix	R12, H222	20% - 30%
-	Petroleumdistillate	-	5% - 10 %

4. First aid measures

4.1. Description of first aid measures

General: In all case of doubt or continuous symptoms summon medical aid.

Inhalation: Irr.

Ingestion: In case of ingestion consult a doctor.
Let the patient rest. Do not let him vomit.

Skin: Remove contaminated clothing. Wash the skin thoroughly with water and soap. Do not use thinners or solvents.

Eyes: Wash the opened eyes thoroughly for at least 15 minutes with plenty of water. Consult an eye specialist.

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

Repeated or prolonged exposure to this product may cause non allergic contact eczema.

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

NA

5. Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media: Foam, powder, CO₂, water mist.

Unsuitable extinguishing media: Waterjet

5.2. Special hazards arising from the substance or mixture

A fire will cause smoke containing decomposing products. Contact with these decomposing products may cause a health hazard. Appropriate breathing equipment could be necessary. Cool closed containers exposed to fire with water. Also ensure that extinguishing media will not contaminate soils, drains and surface waters.

5.3. Advice for firefighters

The standard firefighting equipment is sufficient.

6. Accidental release measures

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- 6.1. *Personal precautions, protective equipment and emergency procedures*
In case of contact one could use a secluding skin crème. Do not use it when contact has already been made.
- 6.2. *Environmental precautions*
Do not allow the product to enter drains or the water surfaces. If the product contaminates lakes, rivers or sewages, inform appropriate authorities in accordance with local regulations. The product has to be disposed in according to the local regulations.
- 6.3. *Methods and material for containment and cleaning up*
Clean preferably with a detergent, avoid to use solvents.
- 6.4. *Reference to other sections*
Measures as mentioned in section 7 and 8 are to be followed.

7. Handling and storage

- Handling:* Regulations concerning storage and handling of flammable liquids are to be followed. Avoid contact with eyes and skin. Do not smoke, eat or drink at the workplace (See point 8 for personal protection). Follow safety and health prescriptions while handling this product.
- Storage:* Store dry and cool (5-40°C). Keep away from heat sources, direct sunlight, strong acids and strong bases. Keep away from food and drink. Follow prescriptions issued by concerning authorities.

8. Exposure controls/personal protection

- 8.1. *Control parameters*
Allowed limits: Under mentioned Mac-values are operative.
MAC-TGG
Oil mist 5 mg/m³
- 8.2. *Exposure controls*
Personal protection
- Eye protection: Wear protective goggles
- Hand protection: In case of contact one could use a secluding skin crème.
Do not use when contact has already been made.
- Skin protection: Wash of all body parts that have contacted the product.
Wear protective gloves made of polyvinyl or nitrilrubber
- Inhalation protection: NA

9. Physical and chemical properties

- 9.1. *Information on basic physical and chemical properties*

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General data

Texture	Liquid
Colour	White
Smell	Moderate
Autoflammability	>250°C
Viscosity	Irr.
Flashpoint	Flammable gas.
Density at 20°C	Ca. 0,8
Density of vapour	1.8 times heavier than air
Danger of explosion	
Lower explosion limit	1.5 Vol.% butane; 2 Vol.% propane; 1.4 Vol.% pentane
Upper explosion limit	8 Vol.% butane; 9.5 Vol.% propane; 8 Vol.% pentane
Water solubility at 20°C	Immiscible

- 9.2. *Other information*
NA

10. Stability and reactivity

- 10.1. *Reactivity*
If storage and handling are according to the instructions at 7.2, the product will be stable.
- 10.2. *Chemical stability*
Unknown
- 10.3. *Possibility of hazardous reactions*
Unknown
- 10.4. *Conditions to avoid*
Unknown
- 10.5. *Incompatible materials*
Unknown
- 10.6. *Hazardous decomposition products*
If the product is exposed to high temperatures, hazardous decomposition products may occur like: carbon dioxide, carbon monoxide, smoke and cracking products.

11. Toxicological information

- 11.1. *Information on toxicological effects*
- General: There is no toxicological information known about this product.
- Others: Repeated or prolonged exposure to this product may cause non allergic contact eczema. Short exposure is not dangerous. Eye contact may cause irritations.

12. Ecological information

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- 12.1. *Toxicity*
Unknown
- 12.2. *Persistence and degradability*
This product is not biodegradable.
- 12.3. *Bioaccumulative potential*
Bioaccumulation occurs.
- 12.4. *Mobility in soil*
Unknown
- 12.5. *Results of PBT and vPvB assessment*
Unknown
- 12.6. *Other adverse effects*
Unknown

13. Disposal considerations

- 13.1. *Waste treatment methods*
Prevent contamination of soils, drains and surface waters. Empty containers should be dumped in accordance with local regulations, as well as the product itself.

14. Transport information

ADR/RID: Class 2, item 10b. UN 1950

15. Regulatory information

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

EUH-sentences:	EUH210	Safety data sheet available on request.
	EUH401	To avoid risks to human health and the environment, comply with the instructions for use.
R-sentences:	R12	Extremely flammable
	R65	Harmful: may cause lung damage if swallowed
	R66	Repeated exposure may cause skin dryness or cracking
H-sentences:	H302	Harmful if swallowed
S-sentences:	S9	Keep container in a well-ventilated place
	S13	Keep away from food, drink and animal foodstuffs.
	S14	Keep away from strong oxidizing agents, strong base and strong acids.
	S16	Keep away from sources of ignition - No smoking
	S23	Do not breathe gas/fumes/vapour/spray.
	S25	Avoid contact with eyes.
	S43	In case of fire use foam, powder, CO ₂ or water mist. Do not use a waterjet.

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	S47	Keep at temperature not exceeding 50°C.
	S62	If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.
	S20/21	When using do not eat, drink or smoke.
P- sentences:	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.
	P270	Do not eat, drink or smoke when using this product.
	P301/P330/P331	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
	P305/P351/P338	IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing.
	P370/P378	In case of fire: Use foam, powder, CO ₂ or water mist for extinction. Do not use a waterjet.
	P412	Do not expose to temperatures exceeding 50 °C/122 °F.
	P501	Dispose of contents/container to according the national and local regulation.

15.2. *Chemical safety assessment*
Is not preformed

16. Other information

EEC 91/115: All chemical substances are mentioned in the European substances list and can be traded freely within Europe. All information is based on the present state of technique and our knowledge. This information is to describe our product from the point of view of safety requirements, but does not guarantee the products properties and is therefore not a contractual legal relation. This safety data sheet is according to regulations 91/155 and 93/112/EEC. What not classified products are concerned, these data sheets have been made on a voluntarily basis. This sheet does not contain a signature.

List of words NA Not Applicable

Date of last review: 7-11-2013

Points of review: No points of review

General notice: The information in these documents is based on the actual state of knowledge. We do not except any responsibility for costs when the product is used for other purposes then the purposes it is mend for. Existing laws and regulations have to be observed in own responsibility of the buyer of our products.