

# Lucas Chain Lube Aerosol

## Safety Data Sheet

according to Regulation (EU) 2015/830

Date of issue: 7/27/2016 Version: 1.0



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

#### 1.1. Product identifier

Product form : Mixture  
Product name : Lucas Chain Lube Aerosol  
Product code : 10393, 40393

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

##### 1.2.1. Relevant identified uses

Use of the substance/mixture : Lubricant

##### 1.2.2. Uses advised against

No additional information available

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

Lucas Oil Products, Inc  
302 North Sheridan Street  
92880-2067 Corona, California - USA  
T (951) 270-0154 - F (951) 270-1902  
[GHewgill@lucasoil.com](mailto:GHewgill@lucasoil.com) - [www.LucasOil.com](http://www.LucasOil.com)

#### 1.4. Emergency telephone number

Emergency number : (951) 493-1149 (951) 847-5949 7:00A.M. to 5:00P.M. Monday thru Friday

### SECTION 2: Hazards identification

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

##### Classification according to Regulation (EC) No. 1272/2008 [CLP]

Aerosol, Category 1	H222;H229
Skin corrosion/irritation, Category 2	H315
Serious eye damage/eye irritation, Category 2	H319
Sensitisation — Skin, Category 1	H317
Specific target organ toxicity — Single exposure, Category 3, Narcosis	H336
Aspiration hazard, Category 1	H304
Hazardous to the aquatic environment — Chronic Hazard, Category 3	H412

Full text of hazard classes and H-statements : see section 16

##### Adverse physicochemical, human health and environmental effects

No additional information available

#### 2.2. Label elements

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

Hazard pictograms (CLP) :



Signal word (CLP) :

Danger

Hazardous ingredients :

Distillates (petroleum), hydrotreated light; Sulfonic acid, petroleum, calcium salts, overbased

Hazard statements (CLP) :

H222 - Extremely flammable aerosol  
H229 - Pressurised container: May burst if heated  
H304 - May be fatal if swallowed and enters airways  
H315 - Causes skin irritation  
H317 - May cause an allergic skin reaction  
H319 - Causes serious eye irritation  
H336 - May cause drowsiness or dizziness  
H412 - Harmful to aquatic life with long lasting effects

Precautionary statements (CLP) :

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  
P261 - Avoid breathing vapours, spray

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P264 - Wash hands thoroughly after handling  
P271 - Use only outdoors or in a well-ventilated area  
P272 - Contaminated work clothing should not be allowed out of the workplace  
P273 - Avoid release to the environment  
P280 - Wear eye protection, protective gloves, protective clothing  
P301+P310 - If swallowed: Immediately call a poison center or doctor  
P302+P352 - IF ON SKIN: Wash with plenty of water  
P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing  
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
P312 - Call a poison center or doctor if you feel unwell  
P321 - Specific treatment (see First aid measures on this label)  
P331 - Do NOT induce vomiting  
P332+P313 - If skin irritation occurs: Get medical advice/attention  
P333+P313 - If skin irritation or rash occurs: Get medical advice/attention  
P337+P313 - If eye irritation persists: Get medical advice/attention  
P362+P364 - Take off contaminated clothing and wash it before reuse  
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, in accordance with local, regional, national and/or international regulation

### 2.3. Other hazards

PBT: not yet assessed

vPvB: not yet assessed

## SECTION 3: Composition/information on ingredients

### 3.1. Substance

Not applicable

### 3.2. Mixture

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Distillates (petroleum), hydrotreated light	(CAS No) 64742-47-8 (EC no) 265-149-8 (EC index no) 649-422-00-2	10 – 30	Flam. Liq. 3, H226 Acute Tox. 4 (Inhalation), H332 Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H336 Asp. Tox. 1, H304 Aquatic Chronic 2, H411
Propane (Note U)	(CAS No) 74-98-6 (EC no) 200-827-9 (EC index no) 601-003-00-5	10 – 15	Flam. Gas 1, H220
n-Butane (Note C)(Note U)	(CAS No) 106-97-8 (EC no) 203-448-7 (EC index no) 601-004-00-0	5 – 10	Flam. Gas 1, H220
Lubricating oils, petroleum, hydrotreated spent	(CAS No) 64742-58-1 (EC no) 265-161-3	0.5 – 5	Acute Tox. 4 (Inhalation:dust,mist), H332
Sulfonic acid, petroleum, calcium salts, overbased	(CAS No) 68783-96-0 (EC no) 272-213-9	0.5 – 2	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1B, H317 Aquatic Chronic 4, H413

Note C : Some organic substances may be marketed either in a specific isomeric form or as a mixture of several isomers. In this case the supplier must state on the label whether the substance is a specific isomer or a mixture of isomers.

Note L : The classification as a carcinogen need not apply if it can be shown that the substance contains less than 3 % DMSO extract as measured by IP 346 'Determination of polycyclic aromatics in unused lubricating base oils and asphaltene free petroleum fractions — Dimethyl sulphoxide extraction refractive index method', Institute of Petroleum, London. This note applies only to certain complex oil-derived substances in Part 3.

Note U : When put on the market gases have to be classified as 'Gases under pressure', in one of the groups compressed gas, liquefied gas, refrigerated liquefied gas or dissolved gas. The group depends on the physical state in which the gas is packaged and therefore has to be assigned case by case.

Full text of H-statements: see section 16

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

First-aid measures general

: Get immediate medical advice/attention. If medical advice is needed, have product container or label at hand. In case of frostbite spray with water for at least 15 minutes. Apply a sterile dressing. Obtain medical assistance.

First-aid measures after inhalation

: Cough. Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.

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First-aid measures after skin contact	: Wash with plenty of soap and water. Take off contaminated clothing and wash it before reuse. If skin irritation or rash occurs: Get medical advice/attention.
First-aid measures after eye contact	: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
First-aid measures after ingestion	: Immediately call a POISON CENTER or doctor/physician. Do NOT induce vomiting. Rinse mouth.

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

Symptoms/injuries after inhalation	: Shortness of breath. May cause drowsiness or dizziness.
Symptoms/injuries after skin contact	: Causes skin irritation. May cause an allergic skin reaction. Rapid evaporation of the liquid may cause frostbite.
Symptoms/injuries after eye contact	: Causes serious eye irritation.
Symptoms/injuries after ingestion	: May be fatal if swallowed and enters airways. May damage lungs if swallowed and aspirated. Risk of aspiration pneumonia.

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

Treat symptomatically.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

Suitable extinguishing media	: Carbon dioxide. Foam. Dry chemical.
Unsuitable extinguishing media	: Do not use a solid water stream as it may scatter and spread fire.

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

Fire hazard	: Extremely flammable aerosol. Flammable vapours may accumulate in the container. Heating may cause a fire or explosion. Heavier than air, vapours may travel long distances along ground, ignite and flash back to source.
Explosion hazard	: Heat may build pressure, rupturing closed containers, spreading fire and increasing risk of burns and injuries. Contains gas under pressure; may explode if heated.

### 5.3. Advice for firefighters

Precautionary measures fire	: Evacuate area. Fight fire remotely due to the risk of explosion. Keep away from ignition sources.
Firefighting instructions	: DO NOT fight fire when fire reaches explosives. Eliminate all ignition sources if safe to do so. Exercise caution when fighting any chemical fire. In case of fire: stop leak if safe to do so. Use water spray or fog for cooling exposed containers.
Protection during firefighting	: Wear a self contained breathing apparatus. Wear fire/flame resistant/retardant clothing. EN469.
Other information	: Do not pierce or burn, even after use.

## SECTION 6: Accidental release measures

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

General measures	: No open flames. No smoking. Isolate from fire, if possible, without unnecessary risk. Remove ignition sources. Use special care to avoid static electric charges. Do not breathe aerosol. Avoid contact with skin, eyes and clothing. Ensure adequate ventilation.
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#### 6.1.1. For non-emergency personnel

Protective equipment	: Use personal protective equipment as required. Refer to section 8.2.
Emergency procedures	: Evacuate unnecessary personnel.

#### 6.1.2. For emergency responders

Protective equipment	: Use personal protective equipment as required. Refer to section 8.2.
Emergency procedures	: Ventilate area. Stop leak if safe to do so.

### 6.2. Environmental precautions

Notify authorities if product enters sewers or public waters. Do not discharge into drains or the environment.

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

For containment	: Stop leak if safe to do so.
Methods for cleaning up	: Take up in non-combustible absorbent material and shove into container for disposal.

### 6.4. Reference to other sections

Section 13: disposal information. Section 7: safe handling. Section 8: personal protective equipment.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Additional hazards when processed	: Hazardous waste due to potential risk of explosion. Pressurized container: Do not pierce or burn, even after use. Flammable vapours heavier than air/can accumulate. Vapour could travel to source of ignition and flash back.
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Precautions for safe handling	: Do not spray on an open flame or other ignition source. Use only outdoors or in a well-ventilated area. Avoid contact with skin, eyes and clothing. Do not breathe vapours. Do not pierce or burn, even after use.
Hygiene measures	: Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse. Work in a well-ventilated area.

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

Technical measures	: Proper grounding procedures to avoid static electricity should be followed.
Storage conditions	: Do not expose to temperatures exceeding 50 °C/ 122 °F. Keep in fireproof place. Keep container tightly closed.
Incompatible products	: Oxidizing agent. Strong acids. Strong bases.
Incompatible materials	: Heat sources.
Heat and ignition sources	: Keep away from heat, sparks and flame.
Prohibitions on mixed storage	: Incompatible materials.
Storage area	: Store in a dry, cool area.

### 7.3. Specific end use(s)

Lubricant.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

Propane (74-98-6)		
Denmark	Grænseværdie (kortvarig) (mg/m <sup>3</sup> )	3600 mg/m <sup>3</sup>
Denmark	Grænseværdie (kortvarig) (ppm)	2000 ppm
n-Butane (106-97-8)		
Austria	MAK (mg/m <sup>3</sup> )	1900 mg/m <sup>3</sup>
Austria	MAK (ppm)	800 ppm
Austria	MAK Short time value (mg/m <sup>3</sup> )	3800 mg/m <sup>3</sup> max. 3x60 min./Schicht
Austria	MAK Short time value (ppm)	1600 ppm max. 3x60 min./Schicht
Belgium	Limit value (ppm)	1000 ppm
Denmark	Grænseværdie (langvarig) (mg/m <sup>3</sup> )	1200 mg/m <sup>3</sup>
Denmark	Grænseværdie (langvarig) (ppm)	500 ppm
Denmark	Grænseværdie (kortvarig) (mg/m <sup>3</sup> )	2400 mg/m <sup>3</sup>
Denmark	Grænseværdie (kortvarig) (ppm)	1000 ppm
Finland	HTP-arvo (8h) (mg/m <sup>3</sup> )	1900 mg/m <sup>3</sup>
Finland	HTP-arvo (8h) (ppm)	800 ppm
Finland	HTP-arvo (15 min)	2400 mg/m <sup>3</sup>
Finland	HTP-arvo (15 min) (ppm)	1000 ppm
France	VME (mg/m <sup>3</sup> )	1900 mg/m <sup>3</sup>
France	VME (ppm)	800 ppm
Germany	TRGS 900 Occupational exposure limit value (mg/m <sup>3</sup> )	2400 mg/m <sup>3</sup>
Germany	TRGS 900 Occupational exposure limit value (ppm)	1000 ppm
Hungary	AK-érték	2350 mg/m <sup>3</sup>
Hungary	CK-érték	9400 mg/m <sup>3</sup>
Ireland	OEL (8 hours ref) (ppm)	1000 ppm
Poland	NDS (mg/m <sup>3</sup> )	1900 mg/m <sup>3</sup>
Poland	NDSch (mg/m <sup>3</sup> )	3000 mg/m <sup>3</sup>
Slovakia	NPHV (priemerná) (mg/m <sup>3</sup> )	2400 mg/m <sup>3</sup>
Slovakia	NPHV (priemerná) (ppm)	1000 ppm
Slovakia	Upozornenie (SK)	(Dokázaný karcinogén pre ľudí, Pravdepodobný mutagén)
Spain	VLA-ED (mg/m <sup>3</sup> )	1935 mg/m <sup>3</sup>
Spain	VLA-ED (ppm)	800 ppm
United Kingdom	WEL TWA (mg/m <sup>3</sup> )	1450 mg/m <sup>3</sup>
United Kingdom	WEL TWA (ppm)	600 ppm
United Kingdom	WEL STEL (mg/m <sup>3</sup> )	1810 mg/m <sup>3</sup>

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<b>n-Butane (106-97-8)</b>		
United Kingdom	WEL STEL (ppm)	750 ppm
United Kingdom	Remark (WEL)	(Carc, only applies if Butane contains more than 0.1% of buta-1,3-diene)
Norway	Grønseverdier (AN) (mg/m <sup>3</sup> )	600 mg/m <sup>3</sup>
Norway	Grønseverdier (AN) (ppm)	250 ppm
Switzerland	VME (mg/m <sup>3</sup> )	1900 mg/m <sup>3</sup>
Switzerland	VME (ppm)	800 ppm
Australia	TWA (mg/m <sup>3</sup> )	1450 mg/m <sup>3</sup>
Australia	TWA (ppm)	600 ppm
Australia	STEL (mg/m <sup>3</sup> )	1810 mg/m <sup>3</sup>
Australia	STEL (ppm)	750 ppm
<b>Distillates (petroleum), hydrotreated light (64742-47-8)</b>		
Germany	TRGS 900 Occupational exposure limit value (mg/m <sup>3</sup> )	600 mg/m <sup>3</sup>

### 8.2. Exposure controls

Appropriate engineering controls	:	Ensure good ventilation of the work station. Emergency eye wash fountains should be available in the immediate vicinity of any potential exposure.
Personal protective equipment	:	Avoid all unnecessary exposure.
Hand protection:		
Wear suitable gloves. EN 374		
Eye protection:		
Chemical goggles or safety glasses. EN166		
Respiratory protection:		
Where exposure through inhalation may occur from use, respiratory protection equipment is recommended. EN 136/140		
Environmental exposure controls	:	Prevent leakage or spillage.
Other information	:	Do not eat, drink or smoke when using this product.

## SECTION 9: Physical and chemical properties

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

Physical state	:	Liquid
Appearance	:	Aerosol.
Colour	:	amber.
Odour	:	petroleum. Solvent.
Odour threshold	:	No data available
pH	:	No data available
Relative evaporation rate (butylacetate=1)	:	No data available
Melting point	:	No data available
Freezing point	:	No data available
Boiling point	:	No data available
Flash point	:	< 37.778 °C
Auto-ignition temperature	:	No data available
Decomposition temperature	:	No data available
Flammability (solid, gas)	:	Heat of combustion,-11.5 kJ/g,Extremely flammable aerosol
Vapour pressure	:	No data available
Relative vapour density at 20 °C	:	No data available
Relative density	:	0.85
Solubility	:	Negligible.
Log Pow	:	No data available
Viscosity, kinematic	:	14 cSt @ 100 °C
Viscosity, dynamic	:	No data available
Explosive properties	:	No data available
Oxidising properties	:	No data available
Explosive limits	:	No data available

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### 9.2. Other information

VOC content : 25 %

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Heating may cause an explosion.

### 10.2. Chemical stability

Extremely flammable aerosol. Contains gas under pressure; may explode if heated. Extreme risk of explosion by shock, friction, fire or other sources of ignition.

### 10.3. Possibility of hazardous reactions

Hazardous polymerization will not occur.

### 10.4. Conditions to avoid

Heat. Sparks. Open flame. Direct sunlight. Overheating.

### 10.5. Incompatible materials

Oxidizing agent. Strong acids. Strong bases.

### 10.6. Hazardous decomposition products

Carbon oxides (CO, CO<sub>2</sub>). Hydrocarbon.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity : Not classified

#### Distillates (petroleum), hydrotreated light (64742-47-8)

LD50 oral rat	> 5000 mg/kg
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LD50 dermal rabbit	> 2000 mg/kg
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LC50 inhalation rat (Dust/Mist - mg/l/4h)	> 5.28 mg/l/4h
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#### Sulfonic acid, petroleum, calcium salts, overbased (68783-96-0)

LD50 oral rat	> 20000 mg/kg
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LD50 dermal rabbit	> 20000 mg/kg
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#### Lubricating oils, petroleum, hydrotreated spent (64742-58-1)

LD50 oral rat	> 5000 mg/kg
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LD50 dermal rat	> 2000 mg/kg
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LD50 dermal rabbit	> 4480 mg/kg
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LC50 inhalation rat (mg/l)	2.18 mg/l
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Skin corrosion/irritation : Causes skin irritation.

Serious eye damage/irritation : Causes serious eye irritation.

Respiratory or skin sensitisation : May cause an allergic skin reaction.

Germ cell mutagenicity : Not classified

Carcinogenicity : Not classified

Reproductive toxicity : Not classified

Specific target organ toxicity (single exposure) : May cause drowsiness or dizziness.

Specific target organ toxicity (repeated exposure) : Not classified

Aspiration hazard : May be fatal if swallowed and enters airways.

#### Lucas Chain Lube Aerosol

Viscosity, kinematic	14 mm <sup>2</sup> /s @ 100 °C
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## SECTION 12: Ecological information

### 12.1. Toxicity

Ecology - water : Harmful to aquatic life with long lasting effects.

#### Distillates (petroleum), hydrotreated light (64742-47-8)

LC50 fish 1	> 1 mg/l 96 h
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NOEC chronic fish	> 0.01 <= 0.1 mg/l
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NOEC chronic crustacea	> 0.01 <= 0.1 mg/l
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<b>Sulfonic acid, petroleum, calcium salts, overbased (68783-96-0)</b>	
LC50 fish 1	40 mg/l 96 h Pimephales promelas
EC50 Daphnia 1	> 1000 mg/l 48 h
EC50 72h algae (1)	> 1000 mg/l 96 h Pseudokirchneriella subcapitata

  

<b>Lubricating oils, petroleum, hydrotreated spent (64742-58-1)</b>	
LC50 fish 1	3.2 - 79.6 mg/l

### 12.2. Persistence and degradability

<b>Lucas Chain Lube Aerosol</b>	
Persistence and degradability	May cause long-term adverse effects in the environment.

### 12.3. Bioaccumulative potential

<b>Lucas Chain Lube Aerosol</b>	
Bioaccumulative potential	Not established.

<b>Distillates (petroleum), hydrotreated light (64742-47-8)</b>	
Log Kow	2.1 - 5
Bioaccumulative potential	Bioaccumulative potential.

### 12.4. Mobility in soil

<b>Lucas Chain Lube Aerosol</b>	
Ecology - soil	No additional information available.

### 12.5. Results of PBT and vPvB assessment

<b>Lucas Chain Lube Aerosol</b>	
PBT: not yet assessed	
vPvB: not yet assessed	

### 12.6. Other adverse effects

Additional information : No additional information available

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Sewage disposal recommendations : Do not dispose of waste into sewer.  
Waste disposal recommendations : Container under pressure. Do not drill or burn even after use. Dispose in a safe manner in accordance with local/national regulations. Do not pierce or burn, even after use.  
Additional information : Flammable vapours may accumulate in the container.  
Ecology - waste materials : Hazardous waste due to toxicity.  
European List of Waste (LoW) code : For disposal within the EC, the appropriate code according to the European Waste Catalogue (EWC) should be used

## SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

### 14.1. UN number

UN-No. (ADR) : 1950  
UN-No. (IMDG) : 1950  
UN-No. (IATA) : 1950  
UN-No. (ADN) : 1950  
UN-No. (RID) : 1950

### 14.2. UN proper shipping name

Proper Shipping Name (ADR) : AEROSOLS  
Proper Shipping Name (IMDG) : AEROSOLS  
Proper Shipping Name (IATA) : AEROSOLS, flammable  
Proper Shipping Name (ADN) : AEROSOLS  
Proper Shipping Name (RID) : AEROSOLS  
Transport document description (ADR) : UN 1950 AEROSOLS, 2.1, (D)  
Transport document description (IMDG) : UN 1950 AEROSOLS, 2.1  
Transport document description (IATA) : UN 1950 AEROSOLS, flammable, 2.1  
Transport document description (ADN) : UN 1950 AEROSOLS, 2.1  
Transport document description (RID) : UN 1950 AEROSOLS, 2.1

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### 14.3. Transport hazard class(es)

#### ADR

Transport hazard class(es) (ADR) : 2.1  
Danger labels (ADR) : 2.1



#### IMDG

Transport hazard class(es) (IMDG) : 2.1  
Danger labels (IMDG) : 2.1



#### IATA

Transport hazard class(es) (IATA) : 2.1  
Hazard labels (IATA) : 2.1



#### ADN

Transport hazard class(es) (ADN) : 2.1  
Danger labels (ADN) : 2.1



#### RID

Transport hazard class(es) (RID) : 2.1  
Danger labels (RID) : 2.1



### 14.4. Packing group

Packing group (ADR) : Not applicable  
Packing group (IMDG) : Not applicable  
Packing group (IATA) : Not applicable  
Packing group (ADN) : Not applicable  
Packing group (RID) : Not applicable

### 14.5. Environmental hazards

Dangerous for the environment : No  
Marine pollutant : No  
Other information : No supplementary information available



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### 14.6. Special precautions for user

#### - Overland transport

Classification code (ADR)	: 5F
Special provisions (ADR)	: 190, 327, 344, 625
Limited quantities (ADR)	: 1I
Excepted quantities (ADR)	: E0
Packing instructions (ADR)	: P207, LP02
Special packing provisions (ADR)	: PP87, RR6, L2
Mixed packing provisions (ADR)	: MP9
Transport category (ADR)	: 2
Special provisions for carriage - Packages (ADR)	: V14
Special provisions for carriage - Loading, unloading and handling (ADR)	: CV9, CV12
Special provisions for carriage - Operation (ADR)	: S2
Tunnel restriction code (ADR)	: D

#### - Transport by sea

Special provisions (IMDG)	: 63, 190, 277, 327, 344, 959
Limited quantities (IMDG)	: SP277
Excepted quantities (IMDG)	: E0
Packing instructions (IMDG)	: P207, LP02
Special packing provisions (IMDG)	: PP87, L2
EmS-No. (Fire)	: F-D
EmS-No. (Spillage)	: S-U
Stowage category (IMDG)	: None
Stowage and handling (IMDG)	: SW1, SW22
Segregation (IMDG)	: SG69

#### - Air transport

PCA Excepted quantities (IATA)	: E0
PCA Limited quantities (IATA)	: Y203
PCA limited quantity max net quantity (IATA)	: 30kgG
PCA packing instructions (IATA)	: 203
PCA max net quantity (IATA)	: 75kg
CAO packing instructions (IATA)	: 203
CAO max net quantity (IATA)	: 150kg
Special provisions (IATA)	: A145, A167, A802
ERG code (IATA)	: 10L

#### - Inland waterway transport

Classification code (ADN)	: 5F
Special provisions (ADN)	: 190, 327, 344, 625
Limited quantities (ADN)	: 1 L
Excepted quantities (ADN)	: E0
Equipment required (ADN)	: PP, EX, A
Ventilation (ADN)	: VE01, VE04
Number of blue cones/lights (ADN)	: 1

#### - Rail transport

Classification code (RID)	: 5F
Special provisions (RID)	: 190, 327, 344, 625
Limited quantities (RID)	: 1L
Excepted quantities (RID)	: E0
Packing instructions (RID)	: P207, LP02
Special packing provisions (RID)	: PP87, RR6, L2
Mixed packing provisions (RID)	: MP9
Transport category (RID)	: 2

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Special provisions for carriage – Packages (RID) : W14  
Special provisions for carriage - Loading, unloading and handling (RID) : CW9, CW12  
Colis express (express parcels) (RID) : CE2  
Hazard identification number (RID) : 23

### 14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

Not applicable

## SECTION 15: Regulatory information

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

#### 15.1.1. EU-Regulations

Contains no REACH substances with Annex XVII restrictions  
Contains no substance on the REACH candidate list  
Contains no REACH Annex XIV substances

VOC content : 25 %

#### 15.1.2. National regulations

##### Germany

VwVwS Annex reference : Water hazard class (WGK) 3, severe hazard to waters (Classification according to VwVwS, Annex 4)  
12th Ordinance Implementing the Federal Immission Control Act - 12.BImSchV : Is not subject of the 12. BImSchV (Hazardous Incident Ordinance)

##### Netherlands

SZW-lijst van kankerverwekkende stoffen : Distillates (petroleum), hydrotreated light,Sulfonic acid, petroleum, calcium salts, overbased,Distillates (petroleum) hydrotreated heavy naphthenic (DMSO < 3%),Distillates (petroleum), hydrotreated heavy paraffinic (DMSO < 3%),Lubricating oils, petroleum, hydrotreated spent are listed

SZW-lijst van mutagene stoffen : Distillates (petroleum), hydrotreated light,Sulfonic acid, petroleum, calcium salts, overbased,Distillates (petroleum) hydrotreated heavy naphthenic (DMSO < 3%),Distillates (petroleum), hydrotreated heavy paraffinic (DMSO < 3%),Lubricating oils, petroleum, hydrotreated spent are listed

NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Borstvoeding : None of the components are listed

NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Vruchtbaarheid : None of the components are listed

NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Ontwikkeling : None of the components are listed

##### Denmark

Class for fire hazard : Class II-1  
Store unit : 5 liter  
Classification remarks : R10 <H222;H229;H304;H315;H317;H319;H336;H412>; Emergency management guidelines for the storage of flammable liquids must be followed  
Recommendations Danish Regulation : Young people below the age of 18 years are not allowed to use the product  
The requirements from the Danish Working Environment Authorities regarding work with carcinogens must be followed during use and disposal

### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out

## SECTION 16: Other information

Abbreviations and acronyms:

	ATE: Acute Toxicity Estimate
	CAS (Chemical Abstracts Service) number
	CLP: Classification, Labelling, Packaging.
	EC50: Environmental Concentration associated with a response by 50% of the test population.
	GHS: Globally Harmonized System (of Classification and Labeling of Chemicals).
	LD50: Lethal Dose for 50% of the test population

# Lucas Chain Lube Aerosol

## Safety Data Sheet

according to Regulation (EU) 2015/830

	STEL: Short Term Exposure Limits
	TWA: Time Weighted Average

Data sources : European Chemicals Agency (ECHA) C&L Inventory database. Accessed at <http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database>.  
 Krister Forsberg and S.Z. Mansdorf, "Quick Selection Guide to Chemical Protective Clothing", Fifth Edition.  
 National Fire Protection Association. Fire Protection Guide to Hazardous Materials; 10th edition.  
 REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Other information : None.

Full text of H- and EUH-statements:

Acute Tox. 4 (Inhalation)	Acute toxicity (inhal.), Category 4
Acute Tox. 4 (Inhalation:dust,mist)	Acute toxicity (inhalation:dust,mist) Category 4
Aerosol 1	Aerosol, Category 1
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
Aquatic Chronic 3	Hazardous to the aquatic environment — Chronic Hazard, Category 3
Aquatic Chronic 4	Hazardous to the aquatic environment — Chronic Hazard, Category 4
Asp. Tox. 1	Aspiration hazard, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Flam. Gas 1	Flammable gases, Category 1
Flam. Liq. 3	Flammable liquids, Category 3
Skin Irrit. 2	Skin corrosion/irritation, Category 2
Skin Sens. 1	Sensitisation — Skin, Category 1
Skin Sens. 1B	Sensitisation — Skin, category 1B
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Narcosis
H220	Extremely flammable gas
H222	Extremely flammable aerosol
H226	Flammable liquid and vapour
H229	Pressurised container: May burst if heated
H304	May be fatal if swallowed and enters airways
H315	Causes skin irritation
H317	May cause an allergic skin reaction
H319	Causes serious eye irritation
H332	Harmful if inhaled
H336	May cause drowsiness or dizziness
H411	Toxic to aquatic life with long lasting effects
H412	Harmful to aquatic life with long lasting effects
H413	May cause long lasting harmful effects to aquatic life

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:

Aerosol 1	H222;H229	Expert judgment
Skin Irrit. 2	H315	Calculation method
Eye Irrit. 2	H319	Calculation method
Skin Sens. 1	H317	Calculation method
STOT SE 3	H336	Calculation method
Asp. Tox. 1	H304	Calculation method
Aquatic Chronic 3	H412	Calculation method

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*This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product*