



# Chain Lube (Aerosol)

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

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Blend Version: 2

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

#### 1.1. Product identifier

Product form : Mixtures  
Product name : Chain Lube (Aerosol)  
Product code : W66479

#### 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 for chains.  
Function or use category : Lubricants and additives

##### 1.2.2. Uses advised against

No additional information available

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

Wynn's Belgium  
Industriepark-West 46  
9100 Sint-Niklaas - Belgium  
T +32 3 766 60 20 - F +32 3 778 16 56  
[msds@wynns.eu](mailto:msds@wynns.eu) - [www.wynns.com](http://www.wynns.com)

#### 1.4. Emergency telephone number

Emergency number : BIG: +32(0)14/58.45.45 (NL FR EN DE)

### SECTION 2: Hazards identification

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

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

Aerosol 1	H222;H229
Acute Tox. 4 (Oral)	H302
Acute Tox. 4 (Inhalation:gas)	H332
Aquatic Chronic 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) :



GHS02

GHS07

Signal word (CLP) :

Danger

Hazardous ingredients :

Barium bis(dinonylnaphthalenesulfonate)

Hazard statements (CLP) :

H222 - Extremely flammable aerosol  
H229 - Pressurised container: May burst if heated  
H302+H332 - Harmful if swallowed or if inhaled  
H412 - Harmful to aquatic life with long lasting effects

Precautionary statements (CLP) :

P261 - Avoid breathing vapours, spray  
P271 - Use only outdoors or in a well-ventilated area  
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  
P410+P412 - Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F

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### 2.3. Other hazards

No additional information available

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

Not applicable

### 3.2. Mixtures

Name	Product identifier	% w	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Butane n-	(CAS-No.) 106-97-8 (EC-No.) 203-448-7 (EC Index-No.) 601-004-00-0 (REACH-no) 01-2119474691-32	10 - 25	Flam. Gas 1, H220
Propane	(CAS-No.) 74-98-6 (EC-No.) 200-827-9 (EC Index-No.) 601-003-00-5 (REACH-no) 01-2119486944-21	5 - 10	Flam. Gas 1, H220
Pentane	(CAS-No.) 109-66-0 (EC-No.) 203-692-4 (EC Index-No.) 601-006-00-1 (REACH-no) 01-2119459286-30	5 - 10	Flam. Liq. 2, H225 STOT SE 3, H336 Asp. Tox. 1, H304 Aquatic Chronic 2, H411
Barium bis(dinonylnaphthalenesulfonate)	(CAS-No.) 25619-56-1 (EC-No.) 247-132-7	2,5 - 5	Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Inhalation:dust,mist), H332 Skin Irrit. 2, H315 Eye Irrit. 2, H319
molybdenum di(2-ethylhexyl)phosphorodithioate	(CAS-No.) 68958-92-9 / 72030-25-2 (EC-No.) 273-381-6	1 - 2,5	Eye Irrit. 2, H319

Full text of H-statements: see section 16

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

First-aid measures general	: Check the vital functions. Keep victim at rest in half upright position. Unconscious: maintain adequate airway and respiration. Respiratory arrest: artificial respiration or oxygen. Cardiac arrest: perform resuscitation. Victim in shock: on his back with legs slightly raised. Vomiting: prevent asphyxia/aspiration pneumonia. Keep watching the victim. Give psychological aid. Prevent cooling by covering the victim (no warming up). Keep the victim calm, avoid physical strain. If necessary seek medical advice.
First-aid measures after inhalation	: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a poison center or a doctor if you feel unwell.
First-aid measures after skin contact	: Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse. If skin irritation occurs: Get medical advice/attention.
First-aid measures after eye contact	: IF IN EYES: 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	: Rinse mouth. Do NOT induce vomiting. Call a POISON CENTER or doctor/physician if you feel unwell. As it is a spray can packaging it is most unlikely that large quantities will be swallowed.

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

Symptoms/effects after inhalation	: Depression of the central nervous system, headaches, dizziness, drowsiness, loss of coordination. Nausea. Harmful if inhaled. May cause respiratory irritation.
Symptoms/effects after eye contact	: Direct contact with the eyes is likely to be irritating.
Symptoms/effects after ingestion	: Harmful if swallowed.

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

No additional information available

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

Suitable extinguishing media	: Water spray. AFFF foam. ABC-powder.
Unsuitable extinguishing media	: Do not use a heavy water stream.

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

- Fire hazard : Extremely flammable aerosol. Heating may cause a fire or explosion.
- Explosion hazard : No direct explosion hazard. Contains gas under pressure; may explode if heated. Heat may build pressure, rupturing closed containers, spreading fire and increasing risk of burns and injuries.

### 5.3. Advice for firefighters

- Firefighting instructions : Cool closed containers exposed to fire with water spray. Fight fire remotely due to the risk of explosion.
- Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection.

## SECTION 6: Accidental release measures

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

- General measures : Spill area may be slippery.

#### 6.1.1. For non-emergency personnel

- Protective equipment : Wear suitable gloves and eye/face protection. protective clothing. Wear suitable respiratory equipment in case of insufficient ventilation.
- Emergency procedures : Mark the danger area. Stop engines and no smoking. Keep upwind. Prevent flow to low areas. No flames, no sparks. Eliminate all sources of ignition. Wash contaminated clothes.

#### 6.1.2. For emergency responders

- Emergency procedures : Ventilate area.

### 6.2. Environmental precautions

Harmful to aquatic life with long lasting effects. Do not allow product to spread into the environment.

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

- For containment : Contain the spilled material by bunding. Collect spillage.
- Methods for cleaning up : Small quantities of liquid spill: take up in non-combustible absorbent material and shovel into container for disposal. Clean preferably with a detergent - Avoid the use of solvents.
- Other information : Dispose of materials or solid residues at an authorized site. Caution : this product can cause the floor to be very slippery.

### 6.4. Reference to other sections

For further information refer to section 8: "Exposure controls/personal protection".

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

- Additional hazards when processed : Pressurized container: Do not pierce or burn, even after use. Not expected to present a significant hazard under anticipated conditions of normal use.
- Precautions for safe handling : Meet the legal requirements. Take precautionary measures against static discharge. Provide good ventilation in process area to prevent formation of vapour. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Presents no particular risk when handled in accordance with good occupational hygiene practice.
- Hygiene measures : Use good personal hygiene practices. IF ON SKIN: Wash with plenty of soap and water. Wash contaminated clothing before reuse.

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

- Storage conditions : Keep in fireproof place. Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.
- Storage temperature : <= 45 °C
- Heat and ignition sources : Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
- Information on mixed storage : Store separately.
- Storage area : Meet the legal requirements. Fireproof storeroom. Ventilation along the floor.
- Special rules on packaging : Meet the legal requirements. Labelling according to.
- Packaging materials : Aerosol.

### 7.3. Specific end use(s)

See product bulletin for detailed information.

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### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

##### Butane n- (106-97-8)

Belgium Limit value (ppm) 1000 ppm

##### Propane (74-98-6)

Belgium Limit value (ppm) 1000 ppm

##### Pentane (109-66-0)

Belgium Limit value (mg/m<sup>3</sup>) 1800 mg/m<sup>3</sup>

Belgium Limit value (ppm) 600 ppm

Belgium Short time value (mg/m<sup>3</sup>) 2250 mg/m<sup>3</sup>

Belgium Short time value (ppm) 750 ppm

Italy - Portugal - USA ACGIH TWA (ppm) 1000 ppm  
ACGIH

##### Pentane (109-66-0)

DNEL/DMEL (Workers)

Long-term - systemic effects, dermal 432 mg/kg bodyweight/day

Long-term - systemic effects, inhalation 3000 mg/m<sup>3</sup>

DNEL/DMEL (General population)

Long-term - systemic effects, oral 214 mg/kg bodyweight/day

Long-term - systemic effects, inhalation 643 mg/m<sup>3</sup>

Long-term - systemic effects, dermal 214 mg/kg bodyweight/day

PNEC (Sediment)

PNEC sediment (freshwater) 1,2 mg/kg dwt

PNEC sediment (marine water) 1,2 mg/kg dwt

PNEC (Soil)

PNEC soil 0,55 mg/kg dwt

#### 8.2. Exposure controls

Appropriate engineering controls

: Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Vapours are heavier than air and may spread along floors. Provide local exhaust or general room ventilation. Does not require any specific or particular technical measures.

Personal protective equipment

: Gloves. Safety glasses.



Hand protection

: Neoprene. Nitrile rubber. Choosing the proper glove is a decision that depends not only on the type of material, but also on other quality features, which differ for each manufacturer. Time of penetration is to be checked with the glove producer.

Other information

: Breakthrough time : >30'. Thickness of the glove material >0,1 mm.

### SECTION 9: Physical and chemical properties

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

Physical state : Liquid

Appearance : Aerosol.

Colour : No data available

Odour : characteristic.

Odour threshold : No data available

pH :

Relative evaporation rate (butylacetate=1) : No data available

refraction index : 1,493

Melting point : No data available

Freezing point : No data available

Boiling point : 36 - 300 °C

Flash point : No data available

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Auto-ignition temperature	: 365 °C
Decomposition temperature	: No data available
Flammability (solid, gas)	: No data available
Vapour pressure	: 185 hPa
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Density @20°C	: 873 kg/m <sup>3</sup>
Solubility	: Insoluble in water.
Log Pow	: No data available
Log Kow	: No data available
Viscosity, kinematic @40°C	: 203,73 mm <sup>2</sup> /s
Viscosity, dynamic @40°C	: No data available
Viscosity	: 19,49 mm <sup>2</sup> /s @100°C
Viscosity Index	: 109
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

### 9.2. Other information

VOC content	: 30,9 %
Additional information	: Physical and chemical properties of the active product without gas. The physical and chemical data in this section are typical values for this product and are not intended as product specifications.

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No additional information available

### 10.2. Chemical stability

Extremely flammable aerosol. Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

No additional information available

### 10.4. Conditions to avoid

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Keep away from strong acids and strong oxidizers.

### 10.5. Incompatible materials

No additional information available

### 10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced. On burning: release of harmful/irritant gases/vapours. Carbon monoxide. Carbon dioxide.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity : Oral: Harmful if swallowed. Inhalation:gas: Harmful if inhaled.

#### Chain Lube (Aerosol)

ATE CLP (oral) 500,000 mg/kg bodyweight

ATE CLP (gases) 4500,000 ppmv/4h

#### Pentane (109-66-0)

LD50 oral rat > 2000 mg/kg bodyweight

LC50 inhalation rat (mg/l) > 25,3 mg/l/4h Sprague-Dawley

#### Barium bis(dinonylnaphthalenesulfonate) (25619-56-1)

ATE CLP (oral) 500,000 mg/kg bodyweight

ATE CLP (dust,mist) 1,500 mg/l/4h

Skin corrosion/irritation : Not classified

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Serious eye damage/irritation	: Not classified
Respiratory or skin sensitisation	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
STOT-single exposure	: Not classified
STOT-repeated exposure	: Not classified
Aspiration hazard	: Not classified

## SECTION 12: Ecological information

### 12.1. Toxicity

Ecology - general	: This product contains hazardous components for the aquatic environment.
Ecology - water	: Harmful to aquatic life with long lasting effects.

#### Pentane (109-66-0)

LC50 fish 1	96h 4,26 mg/l Oncorhynchus mykiss
EC50 Daphnia 1	48h 2,7 mg/l Daphnia magna
EC50 other aquatic organisms 1	72h 10,7 mg/l Scenedesmus capricornutum
NOEC (acute)	72h 2,04 mg/l Scenedesmus capricornutum

### 12.2. Persistence and degradability

#### Pentane (109-66-0)

Persistence and degradability	Readily biodegradable.
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### 12.3. Bioaccumulative potential

#### Pentane (109-66-0)

Bioaccumulative potential	Readily biodegradable.
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### 12.4. Mobility in soil

No additional information available

### 12.5. Results of PBT and vPvB assessment

No additional information available

### 12.6. Other adverse effects

No additional information available

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Product/Packaging disposal recommendations	: Pressurized container: Do not pierce or burn, even after use. Remove to an authorized waste treatment plant.
European List of Waste (LoW) code	: 16 05 04* - gases in pressure containers (including halons) containing dangerous substances 15 01 10* - packaging containing residues of or contaminated by dangerous substances

## SECTION 14: Transport information

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

### 14.1. UN number

UN-No. (ADR)	: 1950
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### 14.2. UN proper shipping name

Proper Shipping Name (ADR)	: AEROSOLS
Transport document description (ADR)	: UN 1950 AEROSOLS, 2.1, (D)

### 14.3. Transport hazard class(es)

Class (ADR)	: 2
Subsidiary risk (IMDG)	: 2.1
Subsidiary risk (IATA)	: 2.1

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Danger labels (ADR) : 2.1



### 14.4. Packing group

Not applicable

### 14.5. Environmental hazards

Other information : No supplementary information available.

### 14.6. Special precautions for user

#### 14.6.1. Overland transport

Classification code (ADR) : 5F  
Special provisions (ADR) : 190, 327, 344, 625  
Transport category (ADR) : 2  
Tunnel restriction code (ADR) : D  
Limited quantities (ADR) : 1l

#### 14.6.2. Transport by sea

EmS-No. (1) : F-D, S-U

#### 14.6.3. Air transport

Instruction "cargo" (ICAO) : 203  
Instruction "passenger" (ICAO) : 203/Y203

### 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 : 30,9 %

#### 15.1.2. National regulations

Water hazard class (WGK) : 2 - hazard to waters

### 15.2. Chemical safety assessment

No additional information available

## SECTION 16: Other information

Full text of H- and EUH-statements:

Acute Tox. 4 (Inhalation:dust,mist)	Acute toxicity (inhalation:dust,mist) Category 4
Acute Tox. 4 (Inhalation:gas)	Acute toxicity (inhalation:gas) Category 4
Acute Tox. 4 (Oral)	Acute toxicity (oral), 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
Asp. Tox. 1	Aspiration hazard, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Flam. Gas 1	Flammable gases, Category 1

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Flam. Liq. 2	Flammable liquids, Category 2
Skin Irrit. 2	Skin corrosion/irritation, Category 2
STOT SE 3	Specific target organ toxicity – Single exposure, Category 3, Narcosis
H220	Extremely flammable gas
H222	Extremely flammable aerosol
H225	Highly flammable liquid and vapour
H229	Pressurised container: May burst if heated
H302	Harmful if swallowed
H304	May be fatal if swallowed and enters airways
H315	Causes skin irritation
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

*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*