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Reviewed on:	<b>CHAIN LUBE HIGH PRESSURE</b>	Version: 1.0

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

- 1.1. Product identifier:  
Trade name: **CHAIN LUBE HIGH PRESSURE**  
Product code: **1 50056**
- 1.2. Relevant identified uses of the substance or mixture and uses advised against:  
Uses of the mixture: Lubricant.  
For professional and industrial use only.  
Uses advised against: Not known.
- 1.3. Details of the supplier of the safety data sheet:  
Identification of manufacturer/Supplier:  
RETECH, s.r.o.  
Vackova 1541/4  
150 00 Praha 5 - Stodůlky  
Czech Republic  
Telephone number/Fax: +420 327 596 128, +420 327 596 428  
E-mail: info@retech.cz
- 1.4. Emergency telephone number: RETECH, Suchdol 212, 285 02 Suchdol u Kutné Hory, Czech Republic  
Telephone number: +420 327 596 128 (7.30-16.00 hour)  
Toxikologické informační středisko (Toxicology Information Centre),  
Na bojišti 1, 128 08 PRAHA 2, Czech Republic  
Telephone number: +420 224 919 293, +420 224 915 402 (24 hours a day)

**2. Section 2. Hazard identification:**

- 2.1. Classification of the substance or mixture:  
Classification according to Regulation (EC) No 1272/2008 [CLP]:  
Aerosol 1 H222 Extremely flammable aerosol.  
H229 Pressurised container: May burst if heated.  
STOT SE 3 H336 May cause drowsiness or dizziness.  
Aquatic Chronic 3 H412 Harmful to aquatic life with long lasting effects.

- 2.2. Label elements:  
Labelling according to Regulation (EC) No 1272/2008 [CLP]:



Signal Word: Danger

Hazard Statements:

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

Precautionary Statements:

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.  
P271 Use only outdoors or in a well-ventilated area.  
P261 Avoid breathing vapours/spray.  
P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
P312 Call a POISON CENTER/doctor if you feel unwell.  
P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.  
P501 Dispose of contents/container in accordance with national regulation.

## Safety Data Sheet

According to Regulation (EC) No 1907/2006 of the European Parliament and of the Council

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Contained dangerous substances:  
64742-49-0 Naphtha (petroleum), hydrotreated light

- 2.3. Other hazards:  
Results of PBT and vPvB assessment:  
No further relevant information available.

### 3. Section 3. Composition/information on ingredients:

- 3.2. Mixtures:  
Description of the mixture: Mixture of active ingredients with propellants

Hazardous ingredients:

CAS: 64742-49-0 EINECS: 265-151-9 Reg. No.: 01-2119475514-35	Naphtha (petroleum), hydrotreated light (contains < 0.1 % benzene) Flam. Liq. 2, H225; Asp. Tox. 1, H304; Aquatic Chronic 2, H411; Skin Irrit. 2, H315; STOT SE 3, H336	10 - 30 %
CAS: 106-97-8 EINECS: 203-448-7	Butane (containing < 0.1 % butadiene) Flam. Gas 1, H220	10 - 30 %
CAS: 74-98-6 EINECS: 200-827-9	Propane Flam Gas 1, H220	10 - 30 %
CAS: 75-28-5 EINECS: 200-857-2	Isobutane (containing < 0.1 % butadiene) Flam. Gas 1, H220	5 - 10 %
CAS: 64742-52-5 EINECS: 265-155-0	Mineral Oil Not classified	1 - 5 %

For full text of H-statements: see SECTION 16.

### 4. Section 4. First aid measures:

- 4.1. Description of first aid measures:
- General notes: When in doubt or if symptoms are observed, get medical advice.
- After inhalation: Move affected person to fresh air and keep warm and at rest.  
If breathing is irregular or stopped administer artificial respiration.  
Get prompt medical attention.
- After skin contact: Wash the skin immediately with soap and water.  
Get medical attention if any discomfort continues.
- After eye contact: Rinse cautiously with water for several minutes.  
Remove contact lenses, if present and easy to do.  
Get medical attention if any discomfort continues.
- After swallowing: Rinse mouth thoroughly with water.  
Rinse mouth thoroughly with water and give large amounts of milk or water to people not unconscious.  
Do not induce vomiting.  
Get medical attention immediately.
- 4.2. Most important symptoms and effects, both acute and delayed:  
No further relevant information available.
- 4.3. Indication of any immediate medical attention and special treatment needed:  
No further relevant information available.

### 5. Section 5. Fire fighting measures:

- 5.1. Extinguishing media:  
Suitable extinguishing agents: Dry chemicals, sand, dolomite; water spray, fog or mist.  
Unsuitable extinguishing agents: No further relevant information available.
- 5.2. Special hazards arising from the substance or mixture:  
Aerosol cans may explode in a fire.  
Pressurised container: May burst if heated.
- 5.3. Advice for firefighters:  
Wear protective clothing and self-contained breathing apparatus.  
Containers close to fire should be removed or cooled with water.

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Use water to keep fire exposed containers cool and disperse vapours.

### 6. Section 6. Accidental release measures:

- 6.1. Personal precautions, protective equipment and emergency procedures:  
Wear protective equipment see Section 8.  
Ensure adequate ventilation.  
Keep away from ignition sources.  
Keep out of confined spaces because of explosion risk.  
If leakage cannot be stopped, evacuate area.
- 6.2. Environmental precautions: Do not discharge into watercourses.
- 6.3. Methods and material for containment and cleaning up:  
Ensure adequate ventilation.  
Let evaporate.  
Dispose contaminated material as waste according to Section 13.
- 6.4. Reference to other sections: See Section 7 for information on safe handling.  
See Section 8 for information on personal protection equipment.  
See Section 13 for disposal information.

### 7. Section 7. Handling and storage:

- 7.1. Precautions for safe handling:  
Protective measures: Wear protective equipment see Section 8.  
Ensure good ventilation/exhaustion at the workplace.  
Avoid inhalation of vapours and contact with skin and eyes.  
Measures to prevent fire: Do not spray onto a naked flame or any incandescent material.  
Keep ignition sources away - Do not smoke.  
Protect against electrostatic charges.  
Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50 °C, i.e. electric lights. Do not pierce or burn, even after use.
- 7.2. Conditions for safe storage, including any incompatibilities:  
Requirements for storage rooms and vessels: Observe official regulations on storing packagings with pressurized containers.  
Technical measures and storage conditions: Observe official regulations on storing packagings with pressurized containers.  
Further information on storage conditions: Protect from heat and direct sunlight.
- 7.3. Specific end use(s): No further relevant information available.

### 8. Section 8. Exposure controls/personal protection:

- 8.1. Control parameters:  
Components with limit values that require monitoring at the workplace:

WEL (United Kingdom): EH40/2005

CAS	Substance	Long-term (8-hr TWA ref. period)		Short-term (15 minute ref. period)		Comments
		ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>	
106-97-8	Butane	600	1450	750	1810	Carc, (only applies if Butane contains more than 0.1 % of buta-1,3-diene)

OEL: 2000/39/EG, 2006/15/EG, 2009/161/EG

Contains no substances with occupational exposure limit values.

Additional information: The lists that were valid during the compilation were as basis.

- 8.2. Exposure controls:

Technical measures to prevent exposure:

Ensure good ventilation/exhaustion at the workplace.

General protective measures:

Wash hands at the end of each work shift and before eating, smoking and using the toilet.

Promptly remove any clothing that becomes wet or contaminated.

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When using do not eat, drink or smoke.

Personal protection equipment:	
Respiratory protection:	No specific recommendation made, but respiratory protection must be used if the general level exceeds the recommended occupational exposure limit. Use chemical cartridge protection with appropriate cartridge.
Eye protection:	Wear approved chemical safety goggles where eye exposure is reasonably probable.
Hand protection:	Use protective gloves.
Skin protection:	Wear appropriate clothing to prevent any possibility of liquid contact and repeated or prolonged vapour contact.

### 9. Section 9. Physical and chemical properties:

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

Form:	Aerosol.
Colour:	Typical.
Odour:	Characteristic.
Odour threshold:	Not determined.
Value pH at 20 °C:	Not determined.
Melting point/freezing point:	Not determined.
Initial boiling point/boiling range:	Not determined.
Flash point:	Not determined.
Evaporation rate:	Not determined.
Flammability (solid, gas):	Not determined.
Explosive properties:	Not determined.
Explosive limits:	
– lower:	0.8 Vol. %
– upper:	9.0 Vol. %
Vapour pressure at 20 °C:	Not determined.
Vapour density at 20 °C:	Not determined.
Density at 20 °C:	Not determined.
Relative density:	Not determined.
Solubility in/miscibility with:	Not determined.
Partition coefficient (n-octanol/water):	Not determined.
Ignition temperature:	Not determined.
Decomposition temperature:	Not determined.
Self-igniting:	Not determined.
Viscosity:	Not determined.
Oxidising properties:	Not determined.

9.2. Other information: No further relevant information available.

### 10. Section 10. Stability and reactivity:

10.1. Reactivity:	No further relevant information available.
10.2. Chemical stability:	Stable under normal temperature conditions.
10.3. Possibility of hazardous reactions:	No further relevant information available.
10.4. Conditions to avoid:	Avoid heat, flames and other sources of ignition. Avoid contact with: Strong oxidising agents, strong alkalis, strong mineral acids.
10.5. Incompatible materials:	No further relevant information available.
10.6. Hazardous decomposition products:	Thermal decomposition or combustion products may include the following substances: carbon monoxide (CO), carbon dioxide (CO <sub>2</sub> ).

### 11. Section 11. Toxicological information:

11.1. Information on toxicological effects:	
Acute toxicity:	Based on available data, the classification criteria are not met.

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Skin corrosion/irritation:	Based on available data, the classification criteria are not met.
Serious eye damage/irritation:	Based on available data, the classification criteria are not met.
Respiratory or skin sensitization:	Based on available data, the classification criteria are not met.
Germ cell mutagenicity:	Based on available data, the classification criteria are not met.
Carcinogenicity:	Based on available data, the classification criteria are not met.
Reproductive toxicity:	Based on available data, the classification criteria are not met.
Specific target organ toxicity - single exposure:	May cause drowsiness or dizziness.
Specific target organ toxicity - repeated exposure:	Based on available data, the classification criteria are not met.
Aspiration hazard:	Based on available data, the classification criteria are not met.
Other information:	
Route of entry:	Skin and/or eye contact.
After inhalation:	May cause irritation to the respiratory system. Vapours may cause headache, fatigue, dizziness and nausea. Prolonged inhalation of high concentrations may damage respiratory system.
After skin contact:	Prolonged or repeated exposure may cause severe irritation. Acts as a defatting agent on skin. May cause cracking of skin, and eczema.
After eye contact:	Irritating to eyes. May cause chemical eye burns.
After swallowing:	May cause discomfort if swallowed. May cause stomach pain or vomiting. Gastrointestinal symptoms, including upset stomach.

### 12. Section 12. Ecological information:

12.1. Toxicity:	
Aquatic toxicity:	Harmful to aquatic life with long lasting effects.
12.2. Persistence and degradability:	No further relevant information available.
12.3. Bioaccumulative potential:	No further relevant information available.
12.4. Mobility in soil:	No further relevant information available.
Additional ecological information:	
General notes:	No further relevant information available.
12.5. Results of PBT and vPvB assessment:	
PBT:	No further relevant information available.
vPvB:	No further relevant information available.
12.6. Other adverse effects:	No further relevant information available.

### 13. Section 13. Disposal considerations:

13.1. Waste treatment methods:	
Product disposal:	Must not be disposed together with household garbage. Do not allow product to reach sewage system. European Waste Catalogue: 16 03 05* organic wastes containing hazardous substances (*hazardous waste)
Packagings disposal:	Disposal must be made according to official regulations. European Waste Catalogue: 15 01 11* Kovové obaly obsahující nebezpečnou výplňovou hmotu (např. azbest) včetně prázdných tlakových nádob (*hazardous waste)
Other disposal recommendations:	Disposal must be made according to official regulations. The final decisions on the appropriate waste management method, in line with regional, national and European legislation, and possible adaptation to local conditions, remains the responsibility of the waste treatment operator.


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**14. Section 14. Transport information:**


14.1. UN number:  
ADR/RID, IMDG, IATA                      UN 1950

14.2. UN proper shipping name:  
ADR    1950 AEROSOLS  
IMDG    AEROSOLS  
IATA    AEROSOLS, flammable


14.3. Transport hazard class(es):  
ADR



Class:    2.1 F Gases  
Hazard label:                                    2.1  
IMDG



Class:    2.1  
Hazard label:                                    2.1  
IATA



Class:    2.1  
Hazard label:                                    2.1

14.4. Packing group:  
ADR/IMDG/IATA                              Void.

14.5. Environmental hazards:  
Marine pollutant:                            No.

14.6. Special precautions for user:        Warning: gases  
EMS:    F-D, S-U

14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code:  
Not applicable.  
UN "Model Regulation":                    UN 1950, AEROSOLS, 2.1

**15. Section 15. Regulatory information:**

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

Used legislation:  
Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals, as amended (REACH)  
Regulation (EC) No 1272/2008 of the European Parliament and of the Council on classification, labelling and packaging of substances and mixtures, as amended (CLP)  
Regulation (EC) No 648/2004 of the European Parliament and of the Council on detergents, as amended  
Commission Decision 2000/532/EC establishing a list of wastes, as amended  
Council Directive 89/686/EEC on the approximation of the laws of the Member States relating to personal protective equipment, as amended  
Council Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work, as amended  
Commission Directive 2000/39/EC establishing a first list of indicative occupational exposure limit values  
Commission Directive 2006/15/EC establishing a second list of indicative occupational exposure limit values  
Commission Directive 2009/161/EU establishing a third list of indicative occupational exposure limit values  
Directive 2004/42/CE of the European Parliament and of the Council on the limitation of emissions of volatile organic compounds due to the use of organic solvents in certain paints and varnishes and vehicle refinishing products and amending Directive 1999/13/EC, as amended

15.2. Chemical safety assessment:        A Chemical Safety Assessment has not been carried out.

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**16. Section 16. Other information:**

Relevant H-statements (Section 3):

H220 Extremely flammable gas.

H225 Highly flammable liquid and vapour.

H304 May be fatal if swallowed and enters airways.

H315 Causes skin irritation.

H336 May cause drowsiness or dizziness.

H411 Toxic to aquatic life with long lasting effects.

Abbreviations and acronyms:

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

CAS: Chemical Abstracts Service (division of the American Chemical Society)

EINECS: European Inventory of Existing Commercial Chemical Substances

IATA: International Air Transport Association

IMDG: International Maritime Code for Dangerous Goods

OEL: Occupational Exposure Limit

PBT: Persistent, Bioaccumulative, Toxic

Reg. No.: Registration number

vPvB: Very Persistent, Very Bioaccumulative

WEL: Workplace exposure limits

Aerosol 1: Flammable aerosol, category 1

Aquatic Chronic 2: Hazardous to the aquatic environment, category 2

Aquatic Chronic 3: Hazardous to the aquatic environment, category 3

Asp. Tox. 1: Aspiration hazard, category 1

Flam. Gas 1: Flammable gas, category 1

Flam. Liq. 2: Flammable liquid, category 2

Skin Irrit. 2: Skin irritation, category 2

STOT SE 3: Specific target organ toxicity — single exposure, category 3

The information contained herein is based on our best knowledge and the present legislation. Further, the Safety Data Sheet has been elaborated on the basis of the original Safety Data Sheet provided by the manufacturer.

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

**\*Compared to the last version the data has been changed.**