

SAFETY DATA SHEET



Flex Lube

The safety data sheet is in accordance with Commission Regulation (EU) 2020/878 of 18 June 2020 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)

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

Date issued	22.10.2019
Revision date	01.06.2021

1.1. Product identifier

Product name	Flex Lube
Article no.	20122

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

Product group	PROFESSIONAL LUBRICANT SYSTEM
Use of the substance / preparation	Lubricant for chains, wires and cables. Lubricant.
Industrial use	Yes
Professional use	Yes
Consumer use	Yes

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

Company name	VEIDEC AB
Postal address	Videvägen 9
Postcode	247 64
City	Veberöd
Country	SVERIGE
Telephone number	+46 46 23 89 00
Fax	+46 46 23 89 09
Email	nina.mandahl@veidec.se
Website	http://www.veidec.com

1.4. Emergency telephone number

Emergency telephone

Telephone number: 112
Description: Poison center

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

Aerosol 1; H222

Aerosol 1; H229

2.2. Label elements

Hazard pictograms (CLP)



Signal word

Danger

Hazard statements

H222 Extremely flammable aerosol.
H229 Pressurised container: May burst if heated.

Precautionary statements

P251 Do not pierce or burn, even after use.
P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C / 122°F.
P211 Do not spray on an open flame or other ignition source.
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P102 Keep out of reach of children.

2.3. Other hazards

Other hazards

No other information noted.

SECTION 3: Composition / information on ingredients

3.2. Mixtures

Substance	Identification	Classification	Contents	Notes
Mineral oil	CAS No.: 8042-47-5 EC No.: 232-455-8 REACH Reg. No.: 01-2119487078-27	Asp. Tox. 1; H304	50 - 60 %	
Butane	CAS No.: 106-97-8 EC No.: 203-448-7 Index No.: 601-004-00-0 REACH Reg. No.: 01-2119474691-32	Flam. Gas 1; H220; Press. Gas (Comp.) ; CLP classification, notes: C; U	10 - -20 %	
Propane	CAS No.: 74-98-6 EC No.: 200-827-9 Index No.: 601-003-00-5 REACH Reg. No.: 01-2119486944-21	Flam. Gas 1; H220; Press. Gas (Comp.) ; CLP classification, notes: U	10 - -20 %	
Carbon dioxide	CAS No.: 124-38-9	Press. Gas; H280	< 5 %	

	EC No.: 204-696-9		
Benzenesulfonic acid,	CAS No.: 1335202-81-7	Skin Irrit. 2; H315	< 0,2 %
C10-13-(linear) alkyl derivs.	EC No.: 932-231-6	Eye Dam. 1; H318	
, calcium salt	REACH Reg. No.: 1-2119560592-37	Aquatic Chronic 3; H412	
Remarks, substance	The full text for all hazard statements is displayed in section 16.		

SECTION 4: First aid measures

4.1. Description of first aid measures

General	Get medical attention if any discomfort continues.
Inhalation	Fresh air.
Skin contact	Rinse with water.
Eye contact	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Ingestion	Do not induce vomiting.

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

General symptoms and effects	None known.
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4.3. Indication of any immediate medical attention and special treatment needed

Separate first aid equipment	No recommendation given.
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SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	Water spray, foam, dry powder or carbon dioxide.
Improper extinguishing media	Do not use water jet as an extinguisher, as this will spread the fire.

5.2. Special hazards arising from the substance or mixture

Fire and explosion hazards	Aerosol containers can explode when heated, due to excessive pressure build-up.
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5.3. Advice for firefighters

Fire fighting procedures	Follow the general fire precautions indicated by the workplace.
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SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal protection measures	Ventilate well.
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6.2. Environmental precautions

Environmental precautionary measures	Not relevant because of the packaging.
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6.3. Methods and material for containment and cleaning up

Containment	Take mixture to a safe open place for atmospheric evaporation.
Clean up	Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate.

6.4. Reference to other sections

Additional information	For personal protection, see section 8. For waste disposal, see section 13.
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SECTION 7: Handling and storage

7.1. Precautions for safe handling

Handling	Provide good ventilation.
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Protective safety measures

Advice on general occupational hygiene	Wash at the end of each work shift and before eating, smoking and using the toilet.
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7.2. Conditions for safe storage, including any incompatibilities

Storage	Aerosol cans: Must not be exposed to direct sunlight or temperatures above 50°C. Keep in original container. Store above freezing.
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Conditions for safe storage

Technical measures and storage conditions	No special precautions.
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7.3. Specific end use(s)

Specific use(s)	No recommendation given.
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SECTION 8: Exposure controls / personal protection

8.1. Control parameters

Substance	Identification	Exposure limits	TWA Year
Mineral oil	CAS No.: 8042-47-5	Limit value (8 h) : 1 mg/m ³ Limit value (short term) Value: 3 mg/m ³	
Butane	CAS No.: 106-97-8	Limit value (8 h) : 600 ppm Limit value (8 h) : 1450 mg/m ³ Limit value (short term) Value: 750 ppm Limit value (short term) Value: 1810 mg/m ³ Exposure limit letter Letter code: Carc	

Carbon dioxide

CAS No.: 124-38-9

Limit value (8 h) : 5000 ppm

Limit value (8 h) : 9000 mg/
m³**DNEL / PNEC**

Substance	Mineral oil
DNEL	Group: Professional Route of exposure: Long-term dermal (systemic) Value: 220 mg/kg bw/day Group: Professional Route of exposure: Long-term inhalation (systemic) Value: 160 mg/m ³

8.2. Exposure controls**Precautionary measures to prevent exposure**

Appropriate engineering controls	No special precautions.
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Eye / face protection

Suitable eye protection	Under normal conditions of use eye protection is not required.
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Hand protection

Skin- / hand protection, short term contact	Under normal conditions of use gloves are not normally required.
Suitable materials	Nitrile.
Breakthrough time	Value: > 480 minute(s)
Thickness of glove material	Value: 0,35 mm

Skin protection

Suitable protective clothing	Not relevant.
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Respiratory protection

Recommended type of equipment	Under normal conditions of use respiration protection should not be required.
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SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Physical state	Aerosol.
Colour	Beige.
Odour	Characteristic.
pH	Comments: Not relevant.
Freezing point	Reason for waiving data: No data.
Boiling point / boiling range	Reason for waiving data: No data.

Flash point	Reason for waiving data: Not applicable
Explosion limit	Value: 1,8 -9 % Comments: Butane
Vapour pressure	Reason for waiving data: No data.
Density	Value: 0,78 g/l
Solubility	Comments: Not soluble in water.
Auto-ignition temperature	Reason for waiving data: Not applicable
Viscosity	Reason for waiving data: Not applicable

9.2. Other information

Physical hazards

Content of VOC	Value: 33,8 %
	Value: 196 g/l

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity	No specific conditions are likely to result in a hazardous situation.
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10.2. Chemical stability

Stability	Stable under normal temperature conditions and recommended use.
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10.3. Possibility of hazardous reactions

Possibility of hazardous reactions	No data recorded.
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10.4. Conditions to avoid

Conditions to avoid	Avoid exposing aerosol containers to high temperatures or direct sunlight.
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10.5. Incompatible materials

Materials to avoid	Avoid contact with oxidising agents.
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10.6. Hazardous decomposition products

Hazardous decomposition products	None under normal conditions.
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SECTION 11: Toxicological information

11.1. Information on toxicological effects

Substance	Mineral oil
Acute toxicity	Effect tested: LD50 Route of exposure: Oral

Value: > 5000 mg/kg
Animal test species: Rat

Effect tested: LD50
Route of exposure: Dermal
Value: > 2000 mg/kg
Animal test species: Rabbit

Effect tested: LD50
Route of exposure: Inhalation.
Value: > 5000 mg/m³
Animal test species: Rat

Other information regarding health hazards

Assessment of acute toxicity, classification	Based on available data, the classification criteria are not met.
Assessment of skin corrosion / irritation, classification	Based on available data, the classification criteria are not met.
Assessment of eye damage or irritation, classification	Based on available data, the classification criteria are not met.
Assessment of respiratory sensitisation, classification	Based on available data, the classification criteria are not met.
Assessment of skin sensitisation, classification	Based on available data, the classification criteria are not met.
Assessment of germ cell mutagenicity, classification	Based on available data, the classification criteria are not met.
Assessment of carcinogenicity, classification	Based on available data, the classification criteria are not met.
Assessment of reproductive toxicity, classification	Based on available data, the classification criteria are not met.
Assessment of specific target organ toxicity - single exposure, classification	Based on available data, the classification criteria are not met.
Assessment of specific target organ toxicity - repeated exposure, classification	Based on available data, the classification criteria are not met.
Assessment of aspiration hazard, classification	Based on available data, the classification criteria are not met.

11.2 Other information

Endocrine disruption	None known.
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SECTION 12: Ecological information

12.1. Toxicity

Substance	Mineral oil
Aquatic toxicity, fish	Toxicity type: Acute Value: 96 mg/l Effect dose concentration: LC50

	Exposure time: > 1000 hour(s) Species: Leuciscus idus
Substance	Mineral oil
Aquatic toxicity, algae	Toxicity type: Acute Value: 48 mg/l Effect dose concentration: LC50 Exposure time: > 100 hour(s) Species: Daphnia magna
Substance	Mineral oil
Plant toxicity	Toxicity type: Acute Value: 72 Effect dose concentration: NOEC Exposure time: > 100 hour(s) Species: Pseudokirchneriella subcapitata
Ecotoxicity	There are no data on the ecotoxicity of this product.

12.2. Persistence and degradability

Persistence and degradability description/evaluation	There are no data on the degradability of this product.
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12.3. Bioaccumulative potential

Bioaccumulation, comments	No data available on bioaccumulation.
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12.4. Mobility in soil

Mobility	No data recorded.
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12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB assessment	This product does not contain any PBT or vPvB substances.
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12.6. Endocrine disrupting properties

Endocrine disrupting properties	None known.
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12.7. Other adverse effects

Additional ecological information	No recommendation given.
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SECTION 13: Disposal considerations

13.1. Waste treatment methods

EWL packing	EWC waste code: 150110 packaging containing residues of or contaminated by dangerous substances Classified as hazardous waste: Yes
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SECTION 14: Transport information

14.1. UN number

ADR/RID/ADN	1950
IMDG	1950
ICAO/IATA	1950

14.2. UN proper shipping name

ADR/RID/ADN	AEROSOLS
IMDG	AEROSOLS
ICAO/IATA	AEROSOLS, FLAMMABLE

14.3. Transport hazard class(es)

ADR/RID/ADN	2.1
IMDG	2.1
ICAO/IATA	2.1

14.4. Packing group

Comments	Not relevant.
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14.5. Environmental hazards

Comments	Not relevant.
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14.6. Special precautions for user

Special safety precautions for user	Not relevant.
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14.7. Maritime transport in bulk according to IMO instruments

Transport in bulk (yes/no)	No
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IMDG Other information

EmS	F-D, S-U
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SECTION 15: Regulatory information**15.1. Safety, health and environmental regulations / legislation specific for the substance or mixture**

Legislation and regulations	Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments. Regulation (EC) No 1272/2008 of the European Parliament and of the Council of
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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 with amendments.

15.2. Chemical safety assessment

Chemical safety assessment	Not relevant.
Exposure scenario comments	Not relevant.

SECTION 16: Other information

List of relevant H-phrases (Section 2 and 3)	<p>H220 Extremely flammable gas. H222 Extremely flammable aerosol. H229 Pressurised container: May burst if heated. H280 Contains gas under pressure; may explode if heated. H304 May be fatal if swallowed and enters airways. H315 Causes skin irritation. H318 Causes serious eye damage. H412 Harmful to aquatic life with long lasting effects.</p>
CLP classification, comments	H222 H229 Calculation method.
Additional information	<p>Flex Lube är registrerad hos NSF. Kategorikod: H1 NSF Registreringsnr. 140533 För vidare information se "www.nsf.org". H1: This product is approved for use as a lubricant where it may come into unintentional contact with food in and around food processing areas.</p>
Revision justification	Other.
Information added, deleted or revised	Change to Sections: P3, P8, P9, P11
Version	2