

SAFETY DATA SHEET

According to Regulation (EC) No. 1907/2006 (REACH) Article 31, Annex II as amended.

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

1.1 Product identifier

Product name: SILKOLENE PRO PREP SPRAY

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

Identified uses: Coatings

Uses advised against: No uses advised against identified.

1.3 Details of the supplier of the safety data sheet

Manufacturer / Supplier FUCHS LUBRICANTS GERMANY GmbH
Friesenheimer Str. 19
68169 Mannheim
Telephone: +49 621 3701-0 (ZENTRALE)
Fax: +49 621 3701-570

Contact for request of safety data sheets

E-mail: Automotive lubricants CS.Services-FLG@fuchs.com
Industrial lubricants
Telephone: +49 621 3701-0 (ZENTRALE)

Informing department for safety data sheets

E-mail: produktsicherheit-FLG@fuchs.com

1.4 Emergency telephone number: National Poison Information Centre (NPIC) emergency number 00 353 (1) 809 2166 from 8.00am-10.00pm (seven days a week)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

The product has been classified and labelled as hazardous according to regulation (EU) 1272/2008 (CLP).

Classification according to Regulation (EC) No 1272/2008 as amended.

Physical Hazards

Aerosols	Category 1	H222: Extremely flammable aerosol. H229: Pressurized container: May burst if heated.
----------	------------	---

Health Hazards

Skin irritation	Category 2	H315: Causes skin irritation.
Specific Target Organ Toxicity - Single Exposure	Category 3	H336: May cause drowsiness or dizziness.

Product name: SILKOLENE PRO PREP SPRAY

Environmental Hazards

Chronic hazards to the aquatic environment

Category 2

H411: Toxic to aquatic life with long lasting effects.

Hazard summary

Physical Hazards:

Flammable aerosol.

Health Hazards

Inhalation:

Has a narcotic effect.

2.2 Label Elements

Contains:

Hydrocarbons, low viscous



Signal Words:

Danger

Hazard Statement(s):

H222: Extremely flammable aerosol.
H229: Pressurized container: May burst if heated.
H315: Causes skin irritation.
H336: May cause drowsiness or dizziness.
H411: Toxic to aquatic life with long lasting effects.

Precautionary Statements

Prevention:

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.
P261: Avoid breathing dust/fume/gas/mist/vapors/spray.
P262: Do not get in eyes, on skin, or on clothing.
P273: Avoid release to the environment.

Storage:

P410+P412: Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122°F.

Disposal:

P501: Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.

2.3 Other hazards:

By handling of mineral oil products and chemical products no particular hazard is known when normal precautions (item 7) and personal protective equipment (item 8) are kept. The product may not be released into the environment without control.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Product name: SILKOLENE PRO PREP SPRAY

General information: Mixture of active ingredients with propellant

Chemical name	Identifier	Concentration *	REACH Registration No.	Notes
Hydrocarbons, low viscous	EC: 921-024-6	25,00% - <50,00%	01-2119475514-35	
Butane	EINECS: 203-448-7	0% - <100,00%	01-2119474691-32	
Propane	EINECS: 200-827-9	0% - <100,00%	01-2119486944-21	
Isobutane (<0,1% 1,3-butadiene)	EINECS: 200-857-2	0% - <100,00%	01-2119485395-27	

* All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

PBT: persistent, bioaccumulative and toxic substance.

vPvB: very persistent and very bioaccumulative substance.

Classification

Chemical name	Identifier	Classification
Hydrocarbons, low viscous	EC: 921-024-6	CLP: Flam. Liq. 2;H225, Asp. Tox. 1;H304, Skin Irrit. 2;H315, STOT SE 3;H336, Aquatic Chronic 2;H411
Butane	EINECS: 203-448-7	CLP: Flam. Gas 1A;H220, Press. Gas Compr. Gas;H280
Propane	EINECS: 200-827-9	CLP: Flam. Gas 1A;H220, Press. Gas Compr. Gas;H280
Isobutane (<0,1% 1,3-butadiene)	EINECS: 200-857-2	CLP: Flam. Gas 1A;H220, Press. Gas Compr. Gas;H280

CLP: Regulation No. 1272/2008.

SECTION 4: First aid measures

General: Instantly remove any clothing soiled by the product.

4.1 Description of first aid measures

Inhalation: Supply fresh air; consult doctor in case of symptoms.

Eye contact: Immediately flush with plenty of water for at least 15 minutes. If easy to do, remove contact lenses. Get medical attention.

Skin Contact: Immediately flush with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash contaminated clothing before reuse. Get medical attention.

Ingestion: Rinse mouth. Call a POISON CENTER or doctor/ physician if you feel unwell.

4.2 Most important symptoms and effects, both acute and delayed: Causes skin irritation. Dizziness Freeze burns

4.3 Indication of any immediate medical attention and special treatment needed Get medical attention if symptoms occur.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Product name: SILKOLENE PRO PREP SPRAY

Suitable extinguishing media:	CO ₂ , fire extinguishing powder or fog like water spraying. Extinguish larger fires with alcohol resistant foam or spray water with suitable surfactant added
Unsuitable extinguishing media:	Water with a full water jet.
5.2 Special hazards arising from the substance or mixture:	Danger of explosion with aerosol cans.
5.3 Advice for firefighters	
Special fire-fighting procedures:	Move container from fire area if it can be done without risk. Dispose of fire debris and contaminated fire fighting water in accordance with official regulations. Collect contaminated fire fighting water separately. It must not enter drains.
Special protective equipment for fire-fighters:	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures:	Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Keep unauthorized personnel away.
6.2 Environmental Precautions:	Avoid release to the environment. Prevent further leakage or spillage if safe to do so.
6.3 Methods and material for containment and cleaning up:	Scrape up spillage or absorb with absorbing material. Stop the flow of material, if this is without risk. Dispose of the material collected according to regulations.
6.4 Reference to other sections:	See Section 8 of the SDS for Personal Protective Equipment. See Section 7 for information on safe handling See Section 13 for information on disposal. Dike for later disposal. Prevent entry into waterways, sewer, basements or confined areas. Stop the flow of material, if this is without risk.

SECTION 7: Handling and storage:

7.1 Precautions for safe handling:	Avoid contact with skin. Wash hands thoroughly after handling. Do not eat, drink or smoke when working with the product. Take usual precautions when handling mineral oil products or chemical products. Avoid contact with flame and heat source, prevent contact with direct sunlight Use only in well-ventilated areas.
7.2 Conditions for safe storage, including any incompatibilities:	Local regulations concerning handling and storage of waterpolluting products have to be followed. Local regulations for the storage and handling of aerosol cans and flammable liquids have to be kept. Keep away from heat/sparks/hot surfaces. - No smoking.
7.3 Specific end use(s):	Not applicable

Product name: SILKOLENE PRO PREP SPRAY

SECTION 8: Exposure controls/personal protection

8.1 Control Parameters

Occupational Exposure Limits

Chemical name	Type	Exposure Limit Values	Source
Butane	TWA	1.000 ppm	Ireland. OELVs, Schedule 1 (Code of Practice for Chemical Agents Regulations), as amended (2011)
Propane	TWA	1.000 ppm	Ireland. OELVs, Schedule 1 (Code of Practice for Chemical Agents Regulations), as amended (2011)
White mineral oil - Inhalable fraction.	TWA	5 mg/m ³	Ireland. OELVs, Schedule 1 (Code of Practice for Chemical Agents Regulations), as amended (2011)
White mineral oil - Inhalable fraction.	TWA	0,2 mg/m ³	Ireland. OELVs, Schedule 1 (Code of Practice for Chemical Agents Regulations), as amended (2011)

8.2 Exposure controls

Appropriate engineering controls:

Provide adequate ventilation. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

Individual protection measures, such as personal protective equipment

General information:

Wash hands before breaks and after work. Use personal protective equipment as required. Personal protection equipment should be chosen according to the CEN standards and in discussion with the supplier of the personal protective equipment. The usual precautionary measures should be adhered to in handling the chemicals or the mineral oil products.

Eye/face protection:

Safety glasses (EN 166) recommended during refilling. Avoid contact with eyes. Avoid contact with skin and eyes. Goggles/face shield are recommended. If risk of splashing, wear safety goggles or face shield.

Skin protection

Hand Protection:

Material: Nitrile butyl rubber (NBR).
Min. Breakthrough time: ≥ 480 min
Recommended thickness of the material: $\geq 0,38$ mm

Avoid long-term and repeated skin contact. Suitable gloves can be recommended by the glove supplier. Use skin protection cream for preventive skin protection. Protective gloves, where permitted in acc. to safety directions. The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

Other:

Do not carry cleaning cloths impregnated with the product in trouser pockets. Wear suitable protective clothing.

Respiratory Protection:

Ensure good ventilation/exhaustion at the workplace. Avoid breathing vapour/ aerosol.

Product name: SILKOLENE PRO PREP SPRAY

Thermal hazards: Not known.

Hygiene measures: Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing to remove contaminants. Discard contaminated footwear that cannot be cleaned.

Environmental Controls: No data available.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance

Physical state: Aerosols

Form: Aerosols

Color: Colorless

Odor: Characteristic

pH: substance/mixture is non-soluble (in water)

Freezing point: not determined

Boiling Point: not determined

Flash Point: Value not relevant for classification

Evaporation Rate: Not applicable for mixtures

Flammability (solid, gas): not determined

Flammability Limit - Upper (%)—: Not applicable for mixtures

Flammability Limit - Lower (%)—: Not applicable for mixtures

Vapor pressure: Not applicable for mixtures

Relative vapor density: Not applicable for mixtures

Density: 0,62 g/cm³ (15 °C)

Solubility(ies)

Solubility in Water: No data available.

Solubility (other): No data available.

Partition coefficient (n-octanol/water): Not applicable for mixtures

Autoignition Temperature: not determined

Decomposition Temperature: not determined

Flow time Value not relevant for classification

Explosive properties: Value not relevant for classification

Oxidizing properties: Value not relevant for classification

Particle characteristics: Not applicable

9.2 Other information No data available.

SECTION 10: Stability and reactivity

10.1 Reactivity: Stable under normal use conditions.

10.2 Chemical Stability: Stable under normal use conditions.

10.3 Possibility of hazardous reactions: Stable under normal use conditions.

Product name: SILKOLENE PRO PREP SPRAY

- 10.4 Conditions to avoid:** Stable under normal use conditions.
- 10.5 Incompatible Materials:** Strong oxidizing substances. Strong acids. Strong bases.
- 10.6 Hazardous Decomposition Products:** Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapors.

SECTION 11: Toxicological information

Information on likely routes of exposure

- Inhalation:** No data available.
- Ingestion:** No data available.
- Skin Contact:** Causes skin irritation.
- Eye contact:** No data available.

11.1 Information on toxicological effects

Acute toxicity

Oral

- Product:** Not classified for acute toxicity based on available data.

Dermal

- Product:** Not classified for acute toxicity based on available data.

Inhalation

- Product:** Not classified for acute toxicity based on available data.

Specified substance(s)

- Butane
LC 50 (Rat, 4 h): 658 mg/l
Gas

Skin Corrosion/Irritation:

- Product:** Based on available data, the classification criteria are met.

Serious Eye Damage/Eye Irritation:

- Product:** Based on available data, the classification criteria are not met.

Respiratory or Skin Sensitization:

- Product:** Skin sensitizer: Based on available data, the classification criteria are not met.
Respiratory sensitizer: Based on available data, the classification criteria are not met.

Germ Cell Mutagenicity

- Product:** Based on available data, the classification criteria are not met.

Carcinogenicity

- Product:** Based on available data, the classification criteria are not met.

Product name: SILKOLENE PRO PREP SPRAY

Reproductive toxicity

Product: Based on available data, the classification criteria are not met.

Specific Target Organ Toxicity - Single Exposure

Product: Based on available data, the classification criteria are met.

Specific Target Organ Toxicity - Repeated Exposure

Product: Based on available data, the classification criteria are not met.

Aspiration Hazard

Product: Based on available data, the classification criteria are not met.

Other adverse effects:

No data available.

SECTION 12: Ecological information**12.1 Toxicity****Acute toxicity**

Product: Based on available data, the classification criteria are not met.

Fish**Specified substance(s)**

Hydrocarbons, low viscous LC 50 (Fish, 96 h): 11,4 mg/l (OECD 203)

Propane LC 50 (Fish, 96 h): > 1.000 mg/l

Isobutane (<0,1% 1,3-butadiene) LC 50 (Fish, 96 h): 28 mg/l

Aquatic Invertebrates**Specified substance(s)**

Hydrocarbons, low viscous LC 50 (Water Flea, 48 h): 3 mg/l (OECD 202)

Isobutane (<0,1% 1,3-butadiene) EC 50 (Water Flea, 48 h): 16,3 mg/l

Chronic Toxicity**Product:** Based on available data, the classification criteria are met.

Toxicity to Aquatic Plants**Specified substance(s)**

Hydrocarbons, low viscous LC 50 (Alga, 72 h): 30 mg/l (OECD 201)

Isobutane (<0,1% 1,3-butadiene) EC 50 (Alga, 72 h): 8,6 mg/l

12.2 Persistence and Degradability**Biodegradation**

Product: Not applicable for mixtures

Product name: SILKOLENE PRO PREP SPRAY

12.3 Bioaccumulative potential

Product: Not applicable for mixtures

12.4 Mobility in soil:

Product: Not applicable for mixtures

12.5 Results of PBT and vPvB assessment:

The product does not contain any substances fulfilling the PBT/vPvB criteria.

12.6 Other adverse effects:

Toxic to aquatic life with long lasting effects.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

General information: Dispose in accordance with all applicable regulations.

Disposal methods: Discharge, treatment, or disposal may be subject to national, state, or local laws.

European Waste Codes

16 05 04*: Gases in pressure containers (including halons) containing hazardous substances.

SECTION 14: Transport information

ADR/RID

- | | |
|------------------------------------|----------|
| 14.1 UN number or ID number: | UN 1950 |
| 14.2 UN Proper Shipping Name: | AEROSOLS |
| 14.3 Transport Hazard Class(es) | |
| Class: | 2 |
| Label(s): | 2.1 |
| Hazard No. (ADR): | – |
| Tunnel restriction code: | (D) |
| 14.4 Packing Group: | – |
| 14.5 Environmental hazards: | – |
| 14.6 Special precautions for user: | – |

IMDG

- | | |
|------------------------------------|----------|
| 14.1 UN number or ID number: | UN 1950 |
| 14.2 UN Proper Shipping Name: | AEROSOLS |
| 14.3 Transport Hazard Class(es) | |
| Class: | 2.1 |
| Label(s): | 2.1 |
| EmS No.: | F-D, S-U |
| 14.3 Packing Group: | – |
| 14.5 Environmental hazards: | – |
| 14.6 Special precautions for user: | – |

Product name: SILKOLENE PRO PREP SPRAY

IATA

14.1 UN number or ID number: UN 1950
14.2 Proper Shipping Name: Aerosols, flammable
14.3 Transport Hazard Class(es):
Class: 2.1
Label(s): 2.1
14.4 Packing Group: –
14.5 Environmental hazards: –
14.6 Special precautions for user: –

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:

EU Regulations

EU. Regulation 1005/2009/EC on substances that deplete the ozone layer, Annex I, Controlled Substances: none

EU. Regulation 2019/1021/EU on persistent organic pollutants (POPs) (recast), as amended: none

15.2 Chemical safety assessment: No Chemical Safety Assessment has been carried out.

DIRECTIVE 2012/18/EU (SEVESO III) on the control of major-accident hazards involving dangerous substances

The product falls into the scope of the SEVESO III Directive.

Hazard category in accordance with Regulation (EC) No 1272/2008	Qualifying quantity for the application of Lower-tier requirements:	Qualifying quantity for the application of Upper-tier requirements:
P3a: Flammable aerosols Category 1 or 2 containing flammable gases Category 1 or 2 or flammable liquids Category 1	150 t	500 t
E2: Hazardous to the Aquatic Environment in Category Chronic 2	200 t	500 t

SECTION 16: Other information

Revision Information: Vertical lines in the margin indicate an amendment.

Product name: SILKOLENE PRO PREP SPRAY

Wording of the H-statements in section 2 and 3

H220	Extremely flammable gas.
H222	Extremely flammable aerosol.
H225	Highly flammable liquid and vapor.
H229	Pressurized 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.
H336	May cause drowsiness or dizziness.
H411	Toxic to aquatic life with long lasting effects.

Other information:

The classification complies with the current EU lists; however, it has been supplemented with expert literature information and information provided by/about our company. The following evaluation methods were used: - On the basis of test data - Calculation Method - Bridging Principle "Substantially similar mixtures" - Expert Judgement

Revision Date:

27.05.2022

Disclaimer:

The data contained in this safety data sheet are based on our current knowledge and experience and are given to the best of our knowledge and belief. It characterizes the product only with regard to safety requirements for handling, transport and disposal. The data do not describe the product's properties (tech. product specification). Neither should any agreed property nor the suitability of the product for any specific technical application be deduced from the data contained in this safety data sheet. Modifications on this document are not allowed. The data are not transferable to other products. In the case of mixing the product with other products or in the case of processing, the data in this safety data sheet are not necessarily valid for the new-made material. It is the responsibility of the recipient of the product to observe federal, state and local law. Please contact us to obtain up-to-date safety data sheets. This document was issued electronically and has no signature.