

SAFETY DATA SHEET

acc.to ISO/DIS 11014 for USA

1 PRODUCT AND COMPANY IDENTIFICATION

1.1 Product identifier

Product name: GLEITMO 900 SPRAY

Other means of identification: For further information, please refer to section 9 of the SDS.

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

Identified uses: Lubricant

Uses advised against: No uses advised against identified.

1.3 Details of the supplier of the safety data sheet

Manufacturer

FUCHS LUBRITECH GmbH
Werner-Heisenberg-Straße 1
67661 Kaiserslautern/Germany

US Distributor

Fuchs Lubricants Co.
17050 Lathrop Avenue
Harvey, IL 60426

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1.4 US contact telephone : 708-333-8900
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2 HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

The product has been classified and labelled as hazardous according to the legislation in force.

Physical Hazards

Flammable aerosol Category 1

Health Hazards

Serious Eye Damage/Eye Irritation Category 2A

Specific Target Organ Toxicity - Repeated Exposure Category 2

Hazard summary

Physical Hazards: Flammable aerosol.

Product name: GLEITMO 900 SPRAY

2.2 Label Elements



Signal Words: Danger

Hazard Statement(s): H222: Extremely flammable aerosol.
H229: Pressurised container: May burst if heated.
H319: Causes serious eye irritation.
H373: May cause damage to organs through prolonged or repeated exposure.

Precautionary Statements

Prevention: 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.
P264: Wash thoroughly after handling.
P280: Wear protective gloves/protective clothing/eye protection/face protection.
P260: Do not breathe spray.

Response: P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+P313: If eye irritation persists: Get medical advice/attention.
P314: Get medical advice/attention if you feel unwell.

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 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.

Unknown toxicity: Due to information available product does not contain any ingredients of unknown toxicity.

3 COMPOSITION / INFORMATION ON INGREDIENTS

General information: Mixture of components with propellant in aerosol can.

Product name: GLEITMO 900 SPRAY

Chemical name	Identifier	Concentration *	Notes
Propane	74-98-6	40.00 - <60.00%	
Butane	106-97-8	10.00 - <30.00%	
Xylene	1330-20-7	1.00 - <5.00%	
n-butyl acetate	123-86-4	1.00 - <5.00%	
Hydrocarbons, low viscosity	64742-48-9	1.00 - <5.00%	
Butylalcohol	71-36-3	1.00 - <3.00%	
Benzene derivative	100-41-4	1.00 - <5.00%	

* 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
Propane	74-98-6	Flam. Gas 1;H220, Press. Gas H280
Butane	106-97-8	Flam. Gas 1;H220, Press. Gas H280
Xylene	1330-20-7	Flam. Liq. 3;H226, Acute Tox. 4;H332, Acute Tox. 4;H312, Skin Irrit. 2;H315, Eye Irrit. 2;H319, Asp. Tox. 1;H304, STOT SE 3;H335, STOT RE 2;H373
n-butyl acetate	123-86-4	Flam. Liq. 3;H226, STOT SE 3;H336
Hydrocarbons, low viscosity	64742-48-9	Asp. Tox. 1;H304, Flam. Liq. 3;H226, Aquatic Chronic 3;H412
Butylalcohol	71-36-3	Flam. Liq. 3;H226, Acute Tox. 4;H302, STOT SE 3;H336, STOT SE 3;H335, Eye Dam. 1;H318, Skin Irrit. 2;H315
Benzene derivative	100-41-4	Flam. Liq. 2;H225, Acute Tox. 4;H332, STOT RE 2;H373, Asp. Tox. 1;H304, Aquatic Chronic 3;H412, Acute Tox. 4;

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: Wash with soap and water.

Ingestion: Rinse mouth thoroughly.

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

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

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SECTION 5: Firefighting measures

General Fire Hazards:	Use water spray to keep fire-exposed containers cool. Fight fire from a protected location. Move containers from fire area if you can do so without risk.
5.1 Extinguishing media	
Suitable extinguishing media:	CO2, 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:	Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures:	Ventilate closed spaces before entering them. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Keep upwind. Keep away from sources of ignition - No smoking.
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.

Product name: GLEITMO 900 SPRAY

SECTION 7: Handling and storage:

- | | |
|--|---|
| 7.1 Precautions for safe handling: | Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not spray on an open flame or other ignition source. Do not pierce or burn, even after use. 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: | Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use. 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 |

8 EXPOSURE CONTROLS / PERSONAL PROTECTION
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Product name: GLEITMO 900 SPRAY

8.1.Exposure Limits

Chemical name	Type	Exposure Limit Values		Source
Propane	PEL	1,000 ppm	1,800 mg/m ³	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
Propane	TWA	1,000 ppm	1,800 mg/m ³	US. OSHA Table Z-1-A (29 CFR 1910.1000) (1989)
Xylene	PEL	100 ppm	435 mg/m ³	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
Xylene	TWA	100 ppm	435 mg/m ³	US. OSHA Table Z-1-A (29 CFR 1910.1000) (1989)
Xylene	STEL	150 ppm	655 mg/m ³	US. OSHA Table Z-1-A (29 CFR 1910.1000) (1989)
Xylene	TWA	100 ppm		US. ACGIH Threshold Limit Values (02 2012)
Xylene	STEL	150 ppm		US. ACGIH Threshold Limit Values (02 2012)
n-Butyl acetate	PEL	150 ppm	710 mg/m ³	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
n-Butyl acetate	TWA	150 ppm	710 mg/m ³	US. OSHA Table Z-1-A (29 CFR 1910.1000) (1989)
n-Butyl acetate	STEL	200 ppm	950 mg/m ³	US. OSHA Table Z-1-A (29 CFR 1910.1000) (1989)
n-Butyl acetate	TWA	150 ppm		US. ACGIH Threshold Limit Values (02 2012)
n-Butyl acetate	STEL	200 ppm		US. ACGIH Threshold Limit Values (02 2012)
Butylalcohol	PEL	100 ppm	300 mg/m ³	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
Butylalcohol	Ceiling	50 ppm	150 mg/m ³	US. OSHA Table Z-1-A (29 CFR 1910.1000) (1989)
Butylalcohol	TWA	20 ppm		US. ACGIH Threshold Limit Values (02 2012)
Benzene derivative	PEL	100 ppm	435 mg/m ³	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
Benzene derivative	TWA	100 ppm	435 mg/m ³	US. OSHA Table Z-1-A (29 CFR 1910.1000) (1989)
Benzene derivative	STEL	125 ppm	545 mg/m ³	US. OSHA Table Z-1-A (29 CFR 1910.1000) (1989)
Benzene derivative	TWA	20 ppm		US. ACGIH Threshold Limit Values (02 2012)
Buta-1,3-diene	TWA	1,000 ppm	2,200 mg/m ³	US. OSHA Table Z-1-A (29 CFR 1910.1000) (1989)
Buta-1,3-diene	TWA	2 ppm		US. ACGIH Threshold Limit Values (02 2012)
Toluene	TWA	100 ppm	375 mg/m ³	US. OSHA Table Z-1-A (29 CFR 1910.1000) (1989)
Toluene	STEL	150 ppm	560 mg/m ³	US. OSHA Table Z-1-A (29 CFR 1910.1000) (1989)
Toluene	MAX. CONC	500 ppm		US. OSHA Table Z-2 (29 CFR 1910.1000) (02 2006)
Toluene	TWA	200 ppm		US. OSHA Table Z-2 (29 CFR

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			1910.1000) (02 2006)
Toluene	Ceiling	300 ppm	US. OSHA Table Z-2 (29 CFR 1910.1000) (02 2006)
Toluene	TWA	20 ppm	US. ACGIH Threshold Limit Values (02 2012)

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.

Skin protection

Hand Protection:

Material: Nitrile-butadiene rubber (NBR).
Min. Breakthrough time: ≥ 480 min
Recommended thickness of the material: ≥ 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:

Do not breathe dust/fume/gas/mist/vapours/spray. Provide adequate ventilation. In case of inadequate ventilation, use respiratory protection. Filter AX/P2.

Thermal hazards:

No data available.

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.

9 PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical propertiesAppearance

Product name: GLEITMO 900 SPRAY

Physical state:	Aerosols
Form:	Aerosols
Color:	Black
Odor:	Characteristic
Odor Threshold:	Not applicable for mixtures
pH:	Not applicable
Freezing point:	Not applicable for mixtures
Boiling Point:	Value not relevant for classification
Flash Point:	< 0 °C
Evaporation Rate:	Not applicable for mixtures
Flammability (solid, gas):	Value not relevant for classification
Flammability Limit - Upper (%)—:	Not applicable for mixtures
Flammability Limit - Lower (%)—:	Not applicable for mixtures
Vapor pressure:	Not applicable for mixtures
Vapor density (air=1):	Not applicable for mixtures
Density:	0.67 - 0.71 g/cm ³ (20 °C)
Solubility(ies)	
Solubility in Water:	Practically Insoluble
Solubility (other):	No data available.
Partition coefficient (n-octanol/water):	Not applicable for mixtures
Autoignition Temperature:	Value not relevant for classification
Decomposition Temperature:	Value not relevant for classification
Flow time:	Value not relevant for classification
Explosive properties:	Value not relevant for classification
Oxidizing properties:	Value not relevant for classification
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.
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.

11 TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Inhalation: No data available.

Product name: GLEITMO 900 SPRAY

Ingestion: No data available.

Skin Contact: No data available.

Eye contact: Causes eye irritation.

Acute toxicity

Oral

Product: ATEmix: 42,922.14 mg/kg

Specified substance(s)

n-Butyl acetate LD 50 (Rat): 14,000 mg/kg

Hydrocarbons, low viscosity LD 50 (Rat): > 15,000 mg/kg

Dermal

Product: ATEmix: 26,785.5 mg/kg

Specified substance(s)

Benzene derivative LD 50 (Rabbit): 15,500 mg/kg

Inhalation

Product: ATEmix: 267.85 mg/l
Vapour

Specified substance(s)

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

n-Butyl acetate LC 50 (Rat, 4 h): 21 mg/l

Benzene derivative LC 50 (Rat, 4 h): 17.2 mg/l

Skin Corrosion/Irritation:

Product: Prolonged or repeated contact may cause irritation.

Serious Eye Damage/Eye Irritation:

Product: Splashes may irritate.

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.

Specified substance(s)

Xylene , OECD 429 (Mouse)Not a skin sensitizer.

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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.

IARC: IARC Monographs on the Evaluation of Carcinogenic Risks to Humans:

No carcinogenic components identified

NTP: US. National Toxicology Program (NTP) Report on Carcinogens:

No carcinogenic components identified

OSHASp: US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050):

No carcinogenic components identified

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 not met.

Specific Target Organ Toxicity - Repeated Exposure

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

Aspiration Hazard

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

12 ECOLOGICAL INFORMATION

12.1 Toxicity

Acute toxicity

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

Fish

Specified substance(s)

Propane	LC 50 (Fish, 96 h): > 1,000 mg/l
Xylene	LC 50 (Fish, 96 h): 2.6 mg/l (OECD 203)
Hydrocarbons, low viscosity	LC 50 (Fish, 96 h): > 1,000 mg/l
Benzene derivative	LC 50 (Fish, 96 h): 4.2 mg/l (OECD 203)

Aquatic Invertebrates

Specified substance(s)

Hydrocarbons, low viscosity	EC 50 (Water Flea, 48 h): > 1,000 mg/l
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Chronic ToxicityProduct: Based on available data, the classification criteria are not met.

Product name: GLEITMO 900 SPRAY

Toxicity to Aquatic Plants

Specified substance(s)

Xylene	EC 50 (Alga, 72 h): 2.2 mg/l (OECD 201)
Hydrocarbons, low viscosity	EC 50 (Alga): > 1,000 mg/l

12.2 Persistence and Degradability

Biodegradation

Product: Not applicable for mixtures

Specified substance(s)

Xylene	Readily biodegradable
Benzene derivative	100 % (6 d, OECD 301E) Readily biodegradable

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:

No data available.

13 Disposal considerations

13.1 Waste treatment methods

General information: Dispose in accordance with all applicable regulations.

Disposal methods: Do not empty into drains; dispose of this material and its container in a safe way. When storing used products, ensure that the waste categories and mixing instructions are observed.

Product name: GLEITMO 900 SPRAY

14 TRANSPORT INFORMATION

DOT

- 14.1 UN Number: UN 1950
14.2 Proper Shipping Name: Aerosols, flammable, n.o.s.
14.3 Transport Hazard Class(es): 2.1
14.4 Subsidiary risk label: –
14.5 Packing Group: –
14.6 Label(s): 2.1

IMDG - International Maritime Dangerous Goods Code

- 14.1 UN Number: UN 1950
14.2 UN Proper Shipping Name: AEROSOLS
14.3 Transport Hazard Class(es): 2.1
14.4 Subsidiary risk label: –
14.5 Packing Group: –
14.6 Label(s): 2.1
14.7 Marine Pollutant: –
14.8 EmS No.: F-D; S-U

IATA

- 14.1 UN Number: UN 1950
14.2 Proper Shipping Name: Aerosols, flammable
14.3 Transport Hazard Class(es): 2.1
14.4 Subsidiary risk label: –
14.5 Packing Group: –
14.6 Label(s): 2.1

15 REGULATORY INFORMATION

US Federal Regulations

US State Regulations

US. California Proposition 65

This product contains chemical(s) known to the State of California to cause cancer and/or to cause birth defects or other reproductive harm.

Inventory Status

DSL	On or in compliance with the inventory
NDSL	Not in compliance with the inventory.
TSCA	On or in compliance with the inventory

16 OTHER INFORMATION

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

Product name: GLEITMO 900 SPRAY

Wording of the H-statements in section 2 and 3

H220	Extremely flammable gas.
H222	Extremely flammable aerosol.
H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H229	Pressurised container: May burst if heated.
H280	Contains gas under pressure; may explode if heated.
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H312	Harmful in contact with skin.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H373	May cause damage to organs through prolonged or repeated exposure.
H412	Harmful to aquatic life with long lasting effects.

Revision Date:

09.01.2019

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.