



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: RENAX GLEITSPRAY

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 / Supplier

Fuchs Schmierstoffe GmbH
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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

Flammable aerosol

Category 1

H222: Extremely flammable aerosol.

H229: Pressurized container: May burst if heated.

Health Hazards

Specific Target Organ Toxicity -
Single Exposure

Category 3

H336: May cause drowsiness or dizziness.

Hazard summary

Physical Hazards:

Flammable aerosol.

Product name: RENAX GLEITSPRAY

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.
H336: May cause drowsiness or dizziness.

Precautionary Statement

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.
P261: Avoid breathing spray.

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

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

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

Chemical name	Concentration *	Identifier	REACH Registration No.	Notes
Hydrocarbons, low viscous	10,00 - <20,00%	927-241-2	01-2119471843-32	

* 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.

Product name: RENAX GLEITSPRAY

Classification

Chemical name	Classification	
Hydrocarbons, low viscous	CLP:	Flam. Liq. 3;H226, Asp. Tox. 1;H304, STOT SE 3;H336, Aquatic Chronic 3;H412

CLP: Regulation No. 1272/2008.

For the wording of the listed risk phrases refer to section 16.

SECTION 4: First aid measures

General: Change clothes and shoes contaminated or soaked by the product. Never put rags contaminated by the product into clothing pockets.

4.1 Description of first aid measures

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

Eye contact: Promptly wash eyes with plenty of water while lifting the eye lids.

Skin Contact: Wash with soap and water. The product is not skin irritating.

Ingestion: Rinse mouth thoroughly.

4.2 Most important symptoms and effects, both acute and delayed: May cause skin and eye irritation.

4.3 Indication of any immediate medical attention and special treatment needed

Hazards: No data available.

Treatment: Get medical attention if symptoms occur.

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: During fire, gases hazardous to health may be formed.

5.3 Advice for firefighters

Product name: RENAX GLEITSPRAY

Special fire fighting procedures:	No data available.
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. Environmental manager must be informed of all major spillages. Prevent further leakage or spillage if safe to do so. Do not allow to enter drainage system, surface or ground water.
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. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Stop leak if you can do so without risk.

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.
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.
7.3 Specific end use(s):	not applicable
Storage Class:	2 B, Aerosols

Product name: RENAX GLEITSPRAY

SECTION 8: Exposure controls/personal protection

8.1 Control Parameters

Occupational Exposure Limits

Chemical name	type	Exposure Limit Values	Source
Isobutane	AGW	1.000 ppm 2.400 mg/m ³	Germany. TRGS 900, Limit Values in the Ambient Air at the Workplace (01 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:

Nitrile butyl rubber (NBR). 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:

Seek advice from local supervisor. Ensure good ventilation/exhaustion at the workplace. Avoid breathing vapour/ aerosol.

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.

Product name: RENAX GLEITSPRAY

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance

Physical state:	Gas
Form:	Aerosols
Color:	Light brown
Odor:	Characteristic
Odor Threshold:	No data available.
pH:	not applicable
Freezing point:	No data available.
Boiling Point:	not applicable
Flash Point:	< 0 °C
Evaporation Rate:	No data available.
Flammability (solid, gas):	No data available.
Flammability Limit - Upper (%)-:	No data available.
Flammability Limit - Lower (%)-:	No data available.
Vapor pressure:	No data available.
Vapor density (air=1):	No data available.
Density:	0,89 g/cm ³ (25 °C)

Solubility(ies)

Solubility in Water:	Insoluble in water
Solubility (other):	No data available.

Partition coefficient (n-octanol/water): No data available.

Autoignition Temperature: No data available.

Decomposition Temperature: No data available.

Flow time No data available.

Explosive properties: No data available.

Oxidizing properties: No data available.

9.2 Other information No data available.

SECTION 10: Stability and reactivity

10.1 Reactivity: Stable under normal temperature conditions and recommended use.

10.2 Chemical Stability: No data available.

10.3 Possibility of hazardous reactions: None under normal conditions.

10.4 Conditions to avoid: Avoid heat or contamination.

10.5 Incompatible Materials: Strong oxidizing substances. Strong acids. Strong bases.

Product name: RENAX GLEITSPRAY

10.6 Hazardous Decomposition Products: Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapors.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Oral

Product:

Not classified for acute toxicity based on available data.

Specified substance(s)

Hydrocarbons, low
viscous

LD 50 (Rat): > 5.001 mg/kg (OECD 401)

Dermal

Product:

No data available.

Specified substance(s)

Hydrocarbons, low
viscous

LD 50 (Rabbit): > 5.001 mg/kg (OECD 402)

Inhalation

Product:

Not classified for acute toxicity based on available data.

Specified substance(s)

Hydrocarbons, low
viscous

No data available.

Repeated dose toxicity

Product:

No data available.

Specified substance(s)

Hydrocarbons, low
viscous

No data available.

Skin Corrosion/Irritation:

Product:

No data available.

Specified substance(s)

Hydrocarbons, low
viscous

OECD 404
Prolonged or repeated contact:
Slightly irritating.

Product name: RENAX GLEITSPRAY

Serious Eye Damage/Eye Irritation:

Product: No data available.

Specified substance(s)

Hydrocarbons, low viscous No data available.

Respiratory or Skin Sensitization:

Product: No data available.

Specified substance(s)

Hydrocarbons, low viscous No data available.

Germ Cell Mutagenicity

In vitro

Product: No data available.

Specified substance(s)

Hydrocarbons, low viscous No data available.

In vivo

Product: No data available.

Specified substance(s)

Hydrocarbons, low viscous No data available.

Carcinogenicity

Product: No data available.

Specified substance(s)

Hydrocarbons, low viscous No data available.

Reproductive toxicity

Product: No data available.

Specified substance(s)

Hydrocarbons, low viscous No data available.

Specific Target Organ Toxicity - Single Exposure

Product: No data available.

Specified substance(s)

Hydrocarbons, low viscous No data available.



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Specific Target Organ Toxicity - Repeated Exposure

Product: No data available.

Specified substance(s)

Hydrocarbons, low viscous No data available.

Aspiration Hazard

Product: No data available.

Specified substance(s)

Hydrocarbons, low viscous No data available.

Other Adverse Effects: No data available.

SECTION 12: Ecological information

12.1 Toxicity

Acute toxicity

Fish

Product: No data available.

Specified substance(s)

Hydrocarbons, low viscous LC 50 (Fish, 96 h): 10 - 30 mg/l

Aquatic Invertebrates

Product: No data available.

Specified substance(s)

Hydrocarbons, low viscous EC 50 (Water Flea, 48 h): 22 - 46 mg/l

Chronic Toxicity

Fish

Product: No data available.

Specified substance(s)

Hydrocarbons, low viscous No data available.

Aquatic Invertebrates

Product: No data available.

Specified substance(s)

Hydrocarbons, low viscous No data available.

Product name: RENAX GLEITSPRAY

Toxicity to Aquatic Plants

Product: No data available.

Specified substance(s)

Hydrocarbons, low viscous EC 50 (Alga, 72 h): > 1.000 mg/l

12.2 Persistence and Degradability

Biodegradation

Product: No data available.

Specified substance(s)

Hydrocarbons, low viscous 89 % (28 d) The product is easily biodegradable.

12.3 Bioaccumulative Potential

Product: No data available.

Specified substance(s)

Hydrocarbons, low viscous No data available.

12.4 Mobility in Soil:

No data available.

Known or predicted distribution to environmental compartments

Hydrocarbons, low viscous No data available.

12.5 Results of PBT and vPvB assessment:

No data available.

Hydrocarbons, low viscous No data available.

12.6 Other Adverse Effects:

No data available.

Water Hazard Class (WGK):

WGK 1: slightly water-endangering.

SECTION 13: Disposal considerations
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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.

European Waste Codes

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

Product name: RENAX GLEITSPRAY

SECTION 14: Transport information

ADR/RID

14.1 UN 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:	
14.4 Packing Group:	—
14.5 Environmental hazards:	—
14.6 Special precautions for user:	—

ADN

14.1 UN Number:	UN 1950
14.2 UN Proper Shipping Name:	AEROSOLS
14.3 Transport Hazard Class(es)	
Class:	2
Label(s):	2.1
14.3 Packing Group:	—
14.5 Environmental hazards:	—
14.6 Special precautions for user:	—

IMDG

14.1 UN 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,
14.3 Packing Group:	—
14.5 Environmental hazards:	—
14.6 Special precautions for user:	—

IATA

14.1 UN 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 MARPOL73/78 and the IBC Code: not applicable.

SECTION 15: Regulatory information

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

Product name: RENAX GLEITSPRAY

EU Regulations

Regulation (EC) No. 2037/2000 Substances that deplete the ozone layer: none

Regulation (EC) No. 850/2004 on persistent organic pollutants: none

National Regulations

Water Hazard Class (WGK): WGK 1: slightly water-endangering.

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

SECTION 16: Other information

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

Wording of the H-statements in section 2 and 3

H222	Extremely flammable aerosol.
H226	Flammable liquid and vapor.
H229	Pressurized container: May burst if heated.
H304	May be fatal if swallowed and enters airways.
H336	May cause drowsiness or dizziness.
H412	Harmful to aquatic life with long lasting effects.

Other information: The classification is in line with current EC lists. It is expanded, however, by information from technical literature and by information furnished by supplier companies. The classification results from the Conventional Method mentioned in regulation EU 1272/2008 (CLP).

Revision Date: 02.09.2015

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.