

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

1.1. Product identifier

Name of product

gleitmo 582 SPRAY

1.2. Relevant identified uses of the substance or mixture and uses advised against Recommended intended purpose(s)

Aerosol

1.3. Details of the supplier of the safety data sheet

Manufacturer/distributor

FUCHS LUBRITECH GMBH
Werner-Heisenberg-Straße 1, D-67661 Kaiserslautern/Germany
Phone +49 (0) 6301 3206 - 0, Fax +49 (0) 6301 3206 - 940
E-Mail reach@fuchs-lubritech.de
Internet www.fuchs-lubritech.com

Advice

Product Safety Management
Phone +49 (0) 6301 3206 - 0
Fax +49 (0) 6301 3206 - 940
E-mail (competent person):
reach@fuchs-lubritech.de

US Distributor

Fuchs Lubricants Co.
17050 Lathrop Avenue
Harvey, IL 60426
(708) 333-8900
(800) 255-3924 24 hrs Emergency

1.4. Emergency telephone number

Emergency advice

+49 (0)171 / 4632154
Phone 06301/3206-808
This number is only available at office times.

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to 67/548/EEC or 1999/45/EC

F+; R12

R-phrases

12 Extremely flammable.

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

Hazard classes and Hazard categories	Hazard Statements	Classification procedure
Aerosol 1	H222, H229	
Aquatic Chronic 3	H412	

2.2. Label elements

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



GHS02

Signal word

Danger

Hazard Statements

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

Precautionary Statements

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.
P273	Avoid release to the environment.
P410 + P412	Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.



2.3. Other hazards

Information pertaining to special dangers for human and environment

Application may cause development of explosive / inflammable vapour-air-mixtures
May be irritating to eyes, at repeated exposure irritating to skin

SECTION 3: Composition/ information on ingredients

3.1. Substances

not applicable

3.2. Mixtures

Description

propellant: propane / butane

Active agent: soap-thickened synthetic oil, fortified in solvents

Hazardous ingredients

CAS No	EC No	Name	[% weight]	Classification according to 67/548/EEC
74-98-6	200-827-9	propane	5 - 10	F+ R12
75-28-5	200-857-2	isobutane	5 - 10	F+ R12
106-97-8	203-448-7	butane	50 - 99	F+ R12
1305-62-0	215-137-3	calcium hydroxide	1 - 2,4	XiR37/38-41
64742-48-9	265-150-3	Naphta (Erdöl), mit Wasserstoff behandelte schwere Inorganic zinc salt Basisöl	5 - 10 0,1 < 1 2,4 - 4,9	Xn; R10-65-66 N; R51/53

CAS No	EC No	Name	[% weight]	Classification according to Regulation (EC) No 1272/2008 [CLP/GHS]
74-98-6	200-827-9	propane	5 - 10	Flam. Gas 1, H220 / Press. Gas
75-28-5	200-857-2	isobutane	5 - 10	Flam. Gas 1, H220 / Press. Gas
106-97-8	203-448-7	butane	50 - 99	Flam. Gas 1, H220 / Press. Gas
1305-62-0	215-137-3	calcium hydroxide	1 - 2,4	Eye Dam. 1, H318 / Skin Irrit. 2, H315 / STOT SE 3, H335
		Inorganic zinc salt Basisöl	0,1 < 1 2,4 - 4,9	Aquatic Chronic 2, H411 Asp. Tox. 1, H304

REACH

CAS No	Name	REACH registration number
74-98-6	propane	Exempt
106-97-8	butane	Exempt

Additional advice

none at appropriate handling and storage

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

Remove contaminated soaked clothing immediately, don't leave to dry.

In case of inhalation

Ensure of fresh air.

In the event of symptoms refer for medical treatment.

In case of skin contact

In case of contact with skin wash off immediately with soap and water.

Don't use organic solvents

Consult a doctor if skin irritation persists.

In case of eye contact

In case of contact with eyes rinse with plenty of water carefully. In the event of persistent symptoms seek medical treatment.

In case of ingestion

Do not induce vomiting.

If swallowed seek medical advice immediately and show the doctor packing or label.

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

Physician's information / possible symptoms

Unconsciousness

Coughing

Anaesthetic state

Headache

Physician's information / possible dangers

Aspiration hazard when vomiting after swallow up

4.3. Indication of any immediate medical attention and special treatment needed

Treatment (Advice to doctor)

Treat symptoms.

Cream skin to avoid dermatitis

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Foam

Dry fire-extinguishing substance

Carbon dioxide

Water spray jet

Unsuitable extinguishing media

Full water jet

5.2. Special hazards arising from the substance or mixture

Fire gas of organic material has to be classed invariably as respiratory poison.

5.3. Advice for firefighters

Special protective equipment for fire-fighters

In case of rescue and maintenance activities in storage containers use environment-independent breathing apparatus because of risk of suffocation by edging out of air oxygen

Wear suitable personal protective equipment for fire extinguishing measures.

Additional information

Cool endangered containers with water spray jet.

Explosion risk in case of longer heating

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Ensure adequate ventilation.

Keep away sources of ignition.

Avoid contact with skin and eyes

High risk of slipping due to leakage/spillage of product.

For emergency responders

Hochentzündlich

6.2. Environmental precautions

Do not discharge into the drains/surface waters/groundwater.

active agent: Prevent spread over a wide area (e.g. by containment or oil barriers).

Suppress gases/vapours/mists with water spray jet

Do not discharge into the subsoil/soil.

6.3. Methods and material for containment and cleaning up

Suck off by room ventilation.

Take up with absorbent material (e.g. general-purpose binder).

After taking up the material dispose according to regulation.

Additional Information

Hochentzündlich

6.4. Reference to other sections

Safe handling: see section 7

Disposal: see section 13

Personal protection equipment: see section 8

Emergency telephone number: see section 1

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

Care for thoroughly room ventilation, if necessary use in well ventilated area with local exhaust ventilation at workplace.
Take the usual precautions when handling with chemicals.

General protective measures

Avoid contact with eyes and skin
Do not inhale gases/vapours/aerosols.

Hygiene measures

Cloths contaminated with product should not be kept in trouser pockets.
At work do not eat, drink, smoke or take drugs.
Follow general rules of industrial hygiene for safe handling of chemical products
Work in rooms with good ventilation.
Keep away from food and drink.
Storing of food in workroom forbidden.

Advice on protection against fire and explosion

Keep away from sources of ignition - No smoking
The product is easy combustible.
Vapours can form an explosive mixture with air.
Bursting hazard with fire expansion and injury danger near fire

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep in closed original container.
Don't store in staircases and passage-ways

Advice on storage compatibility

Do not store together with oxidising and self-inflammable materials.

Further information on storage conditions

Store only in closed original container at cool and aired place.
Protect from heat and direct solar radiation.
Store in a dry place.
Keep in a cool place, heat causes increase in pressure and risk of bursting.

Information on storage stability

Storage time: 24 months.

Storage group 2B

7.3. Specific end use(s)

Recommendation(s) for intended use

see Product information

! SECTION 8: Exposure controls/personal protection

8.1. Control parameters

! Ingredients with occupational exposure limits to be monitored

CAS No	Name	Code	[mg/m3]	[ppm]		Remark
106-97-8	butane	8 hours	2400	1000	4(II)	DFG
75-28-5	isobutane	8 hours	2400	1000	4(II)	DFG
74-98-6	propane	8 hours	1800	1000	4(II)	DFG
64742-48-9	aliphatics, cycloparaffin	8 hours	1000			8h, TRGS 900 / 901
1305-62-0	calcium dihydroxide	8 hours	5 E			EU

Additional advice

As basis for this information served the valid references.

8.2. Exposure controls

Respiratory protection

not necessary in general

Hand protection

chemical-resistant gloves
Wear gloves of PVC at prolonged or intensive skin contact
nitrile gloves



Eye protection

safety goggles

Other protection measures

Usual working clothes for chemical industries

Appropriate engineering controls

Do not inhale aerosols caused by spraying application

Care for good room ventilation, exhaust system at workshop place if necessary

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance

aerosol

Colour

yellowish

Odour

like petrol (gasoline)

Odour threshold

not determined

Important health, safety and environmental information

	Value	Temperature	at	Method	Remark
pH value					not applicable
boiling range	not applicable				Aerosols
Melting point / Freezing point	not determined				
Flash point	< 0 °C				Active agent + solved propellant pro rata
Vapourisation rate	not determined				
Flammable (solid)	not determined				
Flammability (gas)	not determined				
Ignition temperature	not determined				
Self ignition temperature					unknown
Lower explosion limit	not determined				
Upper explosion limit	not determined				
Vapour pressure	2,6 - 3,4 bar	20 °C			Aerosol can pressure
Relative density	0,65 - 0,69 g/cm3	20 °C			Active agent + solved propellant pro rata
Vapour density	not determined				
Solubility in water					more or less insoluble
Solubility/other	not determined				
Partition coefficient n-octanol/water (log P O/W)	not determined				
Decomposition temperature	not determined				
Viscosity	not determined				

Oxidising properties

no

Explosive properties

In and after use danger of production of inflammable compounds
Danger of bursting when heating over 50 °C



9.2. Other information

Vapours are heavier than air.
flammable liquid

SECTION 10: Stability and reactivity

10.1. Reactivity

No information available.

10.2. Chemical stability

No information available.

10.3. Possibility of hazardous reactions

No information available.

10.4. Conditions to avoid

Because of the high vapour pressure, containers are liable to burst if temperature rises.
Formation of explosive gas/air mixtures.
Evolution of flammable mixtures possible in air when heated above flash point and/or during spraying or misting.

10.5. Incompatible materials

Materials to avoid

Reactions with strong oxidising agents.

10.6. Hazardous decomposition products

none at appropriate handling and storage

Thermal decomposition

Remark No decomposition if used as directed.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity/Irritability/Sensitization

	Value/Validation	Species	Method	Remark
LD50 acute oral				not determined
Irritability skin				frequent and/or persistent contact may cause skin irritation
Irritability eye	may have irritating effect			if splash reaches eye
Skin sensitization	No sensitizing effect known			

Experiences made from practice

Possible sensitization in case of persons suffering from hypersensitivity.
Frequent contact specially if dried out may cause skin and eye irritations.

Additional information

No toxicological data available.
The product was classified on the basis of the calculation procedure of the preparation directive (1999/45/EC).

SECTION 12: Ecological information

12.1. Toxicity

Ecotoxicological effects

Value	Species	Method	Validation
Fish			not determined

12.2. Persistence and degradability

Biological degradability not determined

12.3. Bioaccumulative potential

The product has not been tested. Because of the product's consistency and low solubility in water bioavailability is not likely.
preparation is water insoluble and does not formate emulsion



Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH)

Printed

23.11.2015

revision

19.06.2015 (GB) Version 2.6

gleitmo 582 SPRAY

A01-06685

12.4. Mobility in soil

No information available.

12.5. Results of PBT and vPvB assessment

No information available.

12.6. Other adverse effects

Behaviour in sewage plant

Product gets duly not into waste water before it is not treated according to the local regulations.

General regulation

Ecological dates are not available.

Do not allow uncontrolled leakage of product into the environment.

Product is not allowed to be discharged into aquatic environment.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste code No.

07 06 04*

16 05 04*

16 05 05

Name of waste

other organic solvents, washing liquids and mother liquors

gases in pressure containers (including halons) containing dangerous substances

gases in pressure containers other than those mentioned in 16 05 04

Wastes marked with an asterisk are considered to be hazardous waste pursuant to Directive 2008/98/EC on hazardous waste.

Recommendations for the product

Standardized regulations for residual waste disposal within the EG member states do not exist.

German statutes are prescribed in the law of "recycling and waste" (KrW/AbfG)

used absorbents of chapter 6: EAK 07 06 10

Recommendations for packaging

Totally emptied packaging may be taken for recycling.

totally discharged and depressurized sprayer: EWC 15 01 04

Dispose one-trip container according to local authority prescriptions

General information

Ultimately responsible for correct classification is the waste producer, as the EWC names different codes for different origins of same waste

Therefore the a.m. recommendation has to be checked in case of need.

SECTION 14: Transport information

	ADR/RID	IMDG	IATA-DGR
14.1. UN number	1950	1950	1950
14.2. UN proper shipping name	AEROSOLS	AEROSOLS	Aerosols, flammable
14.3. Transport hazard class(es)	2.1	2.1	2.1
14.4. Packing group	-	-	-
14.5. Environmental hazards	No	No	No

14.6. Special precautions for user

No information available.

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

No information available.

Land and inland navigation transport ADR/RID

Hazard label(s) 2.1

tunnel restriction code D

Classification code 5F

Transport/further information

Posting allowed: Pay attention to quantities

SECTION 15: Regulatory information**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****VOC standard**

VOC content ca.79 %

National regulations**Other regulations, restrictions and prohibition regulations**

Take note of: TRG 300 "Aerosole" (GER)

ZH 1/390 "Leaflets: pressurized gas nozzels" (GER)

Water hazard class 2 Mixture-WGK according to VwVwS (GER)**Decree for case of interference/** Annex I, No. 11
remarks**15.2. Chemical Safety Assessment**

Chemical Safety Assessments for mixtures is not required.

! SECTION 16: Other information**Training advice**

Use information in this MSDS

Recommended uses and restrictions

usage only according to instructions for use and observance of warning notes

National and local regulations concerning chemicals shall be observed.

Further information

The information given in this MSDS is based on the present state of knowledge and is intended to describe our products from the point of view of safety requirements only.

Substantial changes to the former version are marked by "!" on the left margin of the paper.

All the raw materials in this product are listed in TSCA.

All the raw materials in this product are listed in NECSI (Taiwan)

Refer to product information paper.

Indication of changes: "!" = Data changed compared with the previous version. Previous version: 2.5

Sources of key data used

Material Safety Data Sheets of raw materials

Wording of the R/H-phrases specified in chapter 3 (not the classification of the mixture!)

R 10 Flammable.

R 12 Extremely flammable.

R 37/38 Irritating to respiratory system and skin.

R 41 Risk of serious damage to eyes.

R 51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R 65 Harmful: may cause lung damage if swallowed.

R 66 Repeated exposure may cause skin dryness or cracking.

-?-

H220 Extremely flammable gas.

H222 Extremely flammable aerosol.

H229 Pressurised container: May burst if heated.

H304 May be fatal if swallowed and enters airways.

H315 Causes skin irritation.

H318 Causes serious eye damage.

H335 May cause respiratory irritation.

H411 Toxic to aquatic life with long lasting effects.

H412 Harmful to aquatic life with long lasting effects.