



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

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**CASSIDA SILICONE FLUID SPRAY**

A01-07538

## 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

**Name of product** CASSIDA SILICONE FLUID SPRAY

**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

**Emergency advice** +49 (0)171 / 4632154

**Recommended intended purpose(s)**  
Aerosol  
Lubricating fluid

## 2. HAZARDS IDENTIFICATION

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

F+; R12

**R-phrases**

12 Extremely flammable.

**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

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

**Description**

propellant: propane / butane  
Active agent: silicone oil, solvents, additives

**Hazardous ingredients**

CAS No	EC No	Name	[% weight]	Classification according to 67/548/EEC
74-98-6	200-827-9	propane	20 - 30	F+ R12
106-97-8	203-448-7	butane	50 - 60	F+ R12
64742-48-9	265-150-3	Mixture of hydrocarbons, de-aromatized	1 - 5	Xn; R10-65-66-67

**Additional advice**

no

## 4. 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.

**Physician's information / possible symptoms**

Coughing  
Headache

**Physician's information / possible dangers**

Aspiration hazard when vomiting after swallow up



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**Treatment (Advice to doctor)**

Treat symptoms.

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**5. FIRE-FIGHTING MEASURES**

**Suitable extinguishing media**

Foam  
Dry fire-extinguishing substance  
Carbon dioxide  
Water spray jet

**Extinguishing media which must not be used for safety reasons**

Full water jet

**Special exposure hazards arising from the substance or preparation itself, combustion products, resulting gases**

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

**Special protective equipment for fire-fighters**

Use breathing apparatus with independent air supply.

**Additional information**

Cool endangered containers with water spray jet.  
Explosion risk in case of longer heating  
Collect contaminated firefighting water separately, must not be discharged into the drains.

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**6. ACCIDENTAL RELEASE MEASURES**

**Personal precautions**

Ensure adequate ventilation.  
Keep away sources of ignition.  
Avoid contact with skin and eyes

**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

**Methods for cleaning up**

Suck off by room ventilation.  
Send in suitable containers for recovery or disposal.  
Take up with absorbent material (e.g. general-purpose binder).

**Additional Information**

Informations for disposal see chapter 13.

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**7. HANDLING AND STORAGE**

**Advice on safe handling**

Care for thoroughly room ventilation, if necessary use in well ventilated area with local exhaust ventilation at workplace.

**Advice on protection against fire and explosion**

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

**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.  
Keep container dry.  
Keep in a cool place, heat causes increase in pressure and risk of bursting.  
Do not keep at temperatures below 0°C.  
Do not keep at temperatures above 30°C.

**Storage group** 2B

**Fire class** B



## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Additional advice on system design

Do not inhale aerosols caused by spraying application

### Additional advice

As basis for this information served the valid references.

### Respiratory protection

Not required at determined application

### Hand protection

The choice of a suitable material for gloves depends not only on the material itself, but also on further quality characteristics.

As the product is a preparation of several substances, the resistance of the materials used for gloves cannot be predetermined; it is therefore necessary to check this before using the product.

Wear gloves of PVC at prolonged or intensive skin contact

nitrile gloves

Neoprene gloves

### Eye protection

tightly fitting goggles, in case of splashing

### Skin protection

Usual working clothes for chemical industries

### General protective measures

Avoid contact with eyes and skin

Do not inhale 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

Remove soiled or soaked clothing immediately.

Work in rooms with good ventilation.

Keep away from food and drink.

Use barrier skin cream.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Form

aerosol

### Colour

colourless, clear

### Odour

solvent-like

### Important health, safety and environmental information

	Value	Temperature	at	Method	Remark
<b>pH value in delivery state</b>					not applicable
<b>boiling range</b>	not applicable				Aerosols
<b>Flash point</b>	< 0 °C				Active agent + solved propellant pro rata
<b>Ignition temperature</b>	> 320 °C				data refer to the base oil.
<b>Vapour pressure</b>	2400 - 3000 hPa	20 °C			Aerosol can pressure
<b>Density</b>	0,976 g/cm3	15 °C			Active agent + solved propellant pro rata
<b>Solubility in water</b>					more or less insoluble

### Explosive properties

In and after use danger of production of inflammable compounds

Danger of bursting when heating over 50 °C

### Additional information

Vapours are heavier than air.

flammable liquid



## 10. STABILITY AND REACTIVITY

### Conditions to avoid

Because of the high vapour pressure, containers are liable to burst if temperature rises.  
Heating, unshielded flame, ignition source, electrostatic charge

### Materials to avoid

Reactions with strong oxidising agents.

### Hazardous decomposition products

none at appropriate handling and storage

### Thermal decomposition

Remark No decomposition if used as directed.

## 11. TOXICOLOGICAL INFORMATION

### Acute toxicity/Irritability/Sensitization

	Value/Validation	Species	Method	Remark
<b>LD 50 acute oral</b>				not determined
<b>Irritability skin</b>				frequent and/or persistent contact may cause skin irritation
<b>Irritability eye</b>	may have irritating effect			if splash reaches eye
<b>Skin sensitization</b>	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 directive 67/548/EEC (conventional method).

## 12. ECOLOGICAL INFORMATION

### Data on elimination (persistence and degradability)

	Elimination rate	Method of analysis	Method	Validation
<b>Biological degradability</b>				not determined

### Mobility and 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

### Ecotoxicological effects

	Value	Species	Method	Validation
<b>Fish</b>				not determined

### Behaviour in sewage plant

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

### General regulation

Ecological data are not available.  
Do not allow uncontrolled leakage of product into the environment.

## 13. DISPOSAL CONSIDERATIONS

### Recommendations for the product

Disposal according to local authority prescriptions

### Recommendations for packaging

Totally emptied packaging may be taken for recycling.  
Aerosols with RESt Druck sind in Behältern mit Entlüftungseinrichtung nach GGVSE zu sammeln und zu transportieren.  
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



## 14. TRANSPORT INFORMATION

### Land and inland navigation transport ADR/RID

UN 1950 AEROSOLS, 2.1, (D), Classification code: 5F

Minor quantities are not considered

### Marine transport IMDG

UN 1950 AEROSOLS, 2.1

Labelling: AEROSOLS UN 1950

### Air transport ICAO/IATA-DGR

UN 1950 Aerosols, flammable Packaging Instr.: 203, 2.1

UN-4G/Y fibreboard boxes required

## 15. REGULATORY INFORMATION

### Remarks for labelling

The product is classified and labelled in accordance with EC directives/German regulations on dangerous substances.

Classification done on the basis of calculation methods of substance directive (67/548 / EEC ).

### Hazardous ingredients for labeling

butane, propane

### Labelling according to 67/548/EEC or 1999/45/EC

**F+** Extremely flammable

### R-phrases

12 Extremely flammable.

### S-phrases

16 Keep away from sources of ignition - No smoking.

23 Do not breathe spray.

51 Use only in well-ventilated areas.

### Special labelling for certain preparations

Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use.

Do not spray on a naked flame or any incandescent material.

Keep away sources of ignition - don't smoke

If possible work in the open air or in well-ventilated rooms.

### National regulations

**Decree for case of interference/  
remarks**

Anhang I, Nr. 11

### Water hazard class

1 Mixture-WGK according to VwVwS (GER)

### Other regulations, restrictions and prohibition regulations

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

## 16. OTHER INFORMATION

### Training advice

Use information in this MSDS

### Recommendend 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

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

Refer to product information paper.

The information contained herein is based on the state of our knowledge. It characterizes the product with regard to the appropriate safety precautions. It does not represent a guarantee of the properties of the product.

### Sources of key data used

Material Safety Data Sheets of raw materials

### Wording of the R-phrases specified in chapter 3 (not the classification of the formulation!)

R 10 Flammable.

R 12 Extremely flammable.

R 65 Harmful: may cause lung damage if swallowed.

R 66 Repeated exposure may cause skin dryness or cracking.

R 67 Vapours may cause drowsiness and dizziness.