



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

Printed  
revision

16.11.2015  
18.08.2015 (GB) Version 2.5

**gleitmo 985**  
A01-00179

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

### 1.1. Product identifier

**Name of product** gleitmo 985

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

Solid film lubricant

### 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**

#### ! Additional hints

The product does not require a hazard warning label in accordance with EC directives/German regulations on dangerous substances.

### 2.2. Label elements

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

#### ! Special rules for supplemental label elements for certain mixtures

Safety data sheet available on request.

### 2.3. Other hazards

**Information pertaining to special dangers for human and environment**

none at appropriate handling and storage

## ! SECTION 3: Composition/ information on ingredients

### 3.1. Substances

not applicable

### 3.2. Mixtures

#### Description

Aqueous dispersion of PTFE with organic binder

#### ! Hazardous ingredients

| CAS No     | EC No     | Name                              | [% weight] | Classification according to 67/548/EEC |
|------------|-----------|-----------------------------------|------------|--|
| 27306-78-1 | 608-078-3 | Polyethermodifiziertes Trisiloxan | 0,1 < 1    | Xn R20/22; Xi R36/38; N R51/53         |
| 872-50-4   | 212-828-1 | N-methyl-2-pyrrolidone            | 1 < 5      | T; R61-36/37/38                        |

  

| CAS No     | EC No     | Name                              | [% weight] | Classification according to Regulation (EC) No 1272/2008 [CLP/GHS]                                 |
|------------|-----------|-----------------------------------|------------|--|
| 27306-78-1 | 608-078-3 | Polyethermodifiziertes Trisiloxan | 0,1 < 1    | Acute Tox. 4, Oral, H302 / Acute Tox. 4, Inh., H332 / Eye Irrit. 2, H319 / Aquatic Chronic 2, H411 |
| 872-50-4   | 212-828-1 | N-methyl-2-pyrrolidone            | 1 < 5      | Eye Irrit. 2, H319 / Skin Irrit. 2, H315   |



## REACH

| CAS No   | Name                   | REACH registration number |
|----------|------------------------|---------------------------|
| 872-50-4 | N-methyl-2-pyrrolidone | 01-2119472430-0000        |

### Additional advice

none at appropriate handling and storage  
SVHC-Stoff: N-Methylpyrrolidon

## 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

Not applicable: No harmful steam concentration due to low volatility

#### In case of skin contact

In case of contact with skin wash off 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.  
Refer to medical treatment.

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

#### Physician's information / possible symptoms

Inhalation of thermal decomposition vapours may cause the arising of influenzal symptoms

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

#### Treatment (Advice to doctor)

Treat symptoms.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

#### Suitable extinguishing media

Product does not burn, fire-extinguishing activities according to surrounding.

#### Unsuitable extinguishing media

no

### 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

Use breathing apparatus with independent air supply.

#### Additional information

Product does not burn. Data is applicable for burning dry residues

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

#### For non-emergency personnel

Use personal protective clothing.  
Avoid contact with skin and eyes  
High risk of slipping due to leakage/spillage of product.

#### For emergency responders

no special dangers known



## 6.2. Environmental precautions

Do not discharge into the drains/surface waters/groundwater.  
Prevent spread over a wide area (e.g. by containment or oil barriers).  
Do not discharge into the subsoil/soil.

## 6.3. Methods and material for containment and cleaning up

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

## Additional Information

enthält: CMR-Stoffe, SVHc-Stoffe

## 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

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

Follow general rules of industrial hygiene for safe handling of chemical products  
At work do not eat, drink and smoke.  
Wash hands before breaks and after work.  
Use barrier skin cream.

### Advice on protection against fire and explosion

The product is not combustible.  
Pay attention to general rules of internal fire prevention.

## 7.2. Conditions for safe storage, including any incompatibilities

### Requirements for storage rooms and vessels

Prevent penetration into the ground.

### Advice on storage compatibility

Do not store together with food.

### Further information on storage conditions

Keep container tightly closed, store at cool and aired place, open and handle carefully.  
Protect from frost.  
Store in a dry place.  
Recommended storage temperature: room temperature.

### Information on storage stability

Refer to product information paper.  
See technical information about storage of lubricants

**Storage group** 12

## 7.3. Specific end use(s)

No information available.

# SECTION 8: Exposure controls/personal protection

## 8.1. Control parameters

### Ingredients with occupational exposure limits to be monitored

| CAS No   | Name                          | Code    | [mg/m <sup>3</sup> ] | [ppm] |      | Remark                     |
|----------|-------------------------------|---------|----------------------|-------|------|----------------------------|
| 872-50-4 | N-Methyl-2-pyrrolidon (Dampf) | 8 hours | 82                   | 20    | 2(l) | EU, DFG, AGS, H, Y, 11, 19 |

### Additional advice

As basis for this information served the valid references.



## 8.2. Exposure controls

### 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 actual resistance of the materials used for gloves cannot be scientifically calculated; it is therefore mandatory to check this before using the product.

Wear gloves of PVC at prolonged or intensive skin contact

### Eye protection

safety goggles

### Other protection measures

Usual working clothes for chemical industries

### Appropriate engineering controls

Closed holders to avoid evaporation loss

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

#### Appearance

liquid

#### Colour

white

#### Odour

hardly noticeable

#### Odour threshold

not determined

#### Important health, safety and environmental information

|   | Value          | Temperature | at | Method         | Remark             |
|---|----------------|-------------|----|----------------|--------------------|
| pH value  | ca. 8          |             |    |                |                    |
| boiling point                                     | ca. 100 °C     |             |    |                | Steam              |
| melting point                                     | ca. 0 °C       |             |    |                | concerning solvent |
| Flash point                                       |                |             |    | not applicable | waterbased product |
| 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                                   | not determined |             |    |                |                    |
| Relative density                                  | ca. 1,05 g/cm3 | 20 °C       |    | DIN 51757      |                    |
| Vapour density                                    | not determined |             |    |                |                    |
| Solubility in water                               |                |             |    |                | miscible           |
| 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**

no

**9.2. Other information**

No information available.

**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**

Heating, unshielded flame, ignition source, electrostatic charge

**10.5. Incompatible materials**

**Materials to avoid**

No hazardous reactions known.

**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         |
|---------------------------|-----------------------------|---------|--------|----------------|
| <b>LD50 acute oral</b>    |                             |         |        | not determined |
| <b>Irritability skin</b>  | no irritating effects known |         |        |                |
| <b>Irritability eye</b>   | no irritating effects known |         |        |                |
| <b>Skin sensitization</b> | No sensitizing effect known |         |        |                |

**Experiences made from practice**

no harmful effects at appropriate handling and determined usage  
After evaporation of solvent/water - quota a physiological GRAS sliding coat remains

**Additional information**

No toxicological data available.

Product contains biocide against microbial attack

The product was classified on the basis of the calculation procedure of the directive 67/548/EEC (conventional method).

**SECTION 12: Ecological information**

**12.1. Toxicity**

**Ecotoxicological effects**

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

**12.2. Persistence and degradability**



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## Biological degradability

not determined

### 12.3. Bioaccumulative potential

No information available.

### 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

When low concentrations are discharged correctly into adapted biological sewage treatment plants, interference with the degradation activity of activated sludge is not likely. Product gets duly not into waste water before it is not treated according to the local regulations.

## Additional ecological information

| Value | Method   | Remark |
|-------|--|--------|
| AOX   | product does not contain any organic bound halogen |        |

## General regulation

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

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

#### Waste code No.

08 01 19\*  
12 01 09\*

#### Name of waste

aqueous suspensions containing paint or varnish containing organic solvents or other dangerous substances  
machining emulsions and solutions free of halogens

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

## Recommendations for the product

Disposal according to local authority prescriptions

There are no harmonised regulations on the disposal of chemicals in the member states of the EU. In Germany the Recycling and Waste Management Act (KrWG) stipulates recycling as a requirement.

This means that a distinction must be made between "wastes for recycling" and "wastes for disposal". Particular aspects - in the main concerning delivery - are also governed by the Laender.

## Recommendations for packaging

Totally emptied packaging may be taken for recycling.

Dispose one-trip container according to local authority prescriptions

## Recommended cleansing agent

Water, surfactant if necessary

## 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                  | -       | -    | -        |
| 14.2. UN proper shipping name    | -       | -    | -        |
| 14.3. Transport hazard class(es) | -       | -    | -        |
| 14.4. Packing group              | -       | -    | -        |
| 14.5. Environmental hazards      | -       | -    | -        |

**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**

No dangerous goods as defined by these transport regulations.

**Marine transport IMDG**

No hazardous goods as defined by prescriptions

**Air transport ICAO/IATA-DGR**

No hazardous goods as defined by prescriptions

**Transport/further information**

No hazardous goods as defined by prescriptions

**! SECTION 15: Regulatory information****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****Other regulations (EU)**

Please note:

SVHC-Stoff: N-Methylpyrrolidon

**VOC standard****VOC content** ca.2 %**National regulations****Water hazard class** 1 Mixture-WGK according to VwVwS (GER)**15.2. Chemical Safety Assessment**

No information available.

**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.

Refer to product information paper.

Indication of changes: "!" = Data changed compared with the previous version. Previous version: 2.4

**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 20/22 Harmful by inhalation and if swallowed.

R 36/38 Irritating to eyes 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 61 May cause harm to the unborn child.

H302 Harmful if swallowed.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H332 Harmful if inhaled.

H411 Toxic to aquatic life with long lasting effects.