



## 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:** SILKOLENE PRO RACE BRAKE FLUID

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

**Identified uses:** Brake fluid

**Uses advised against:** No uses advised against identified.

#### 1.3 Details of the supplier of the safety data sheet

**Manufacturer / Supplier**

FUCHS LUBRICANTS (UK) PLC.  
New Century Street  
Hanley  
Stoke-on-Trent, Staffordshire, ST1 5HU  
UK

Telephone: 01782 203700

**Contact Person:**

Telephone:

E-mail:

Product Safety department  
01782 203700  
product.safety@fuchs-oil.com

**1.4 Emergency telephone number:** 01782 203700

### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

The product has not been classified as hazardous, but needs to be labelled according to regulation (EU) 1272/2008 (CLP).

**Hazard summary**

**Physical Hazards:** No data available.

#### 2.2 Label Elements

EUH210: Safety data sheet available on request.



**Product name:** SILKOLENE PRO RACE BRAKE FLUID

**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:

Chemical name	Concentration *	Identifier	REACH Registration No.	Notes
Glycol derivative	10,00 - <20,00%	205-592-6	01-2119531322-53	
Diglycol	10,00 - <25,00%	203-872-2	01-2119457857-21	

\* 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	Classification	
Glycol derivative	CLP:	Eye Dam. 1;H318
Diglycol	CLP:	Acute Tox. 4;H302

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.

**Product name:** SILKOLENE PRO RACE BRAKE FLUID

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

**Suitable extinguishing media:** CO<sub>2</sub>, 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

**Special fire fighting procedures:** No data available.

**Special protective equipment for fire-fighters:** Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

## SECTION 6: Accidental release measures

**6.1 Personal precautions, protective equipment and emergency procedures:** In case of spills, beware of slippery floors and surfaces.

**6.2 Environmental Precautions:** Prevent from spreading (e.g. by binding or oil barriers).

**6.3 Methods and material for containment and cleaning up:** Absorb with liquid-binding material (sand, diatomite, acidbinders, universal binders, sawdust).

**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.

## SECTION 7: Handling and storage:

**7.1 Precautions for safe handling:** Provide adequate ventilation. Observe good industrial hygiene practices. 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:** Local regulations concerning handling and storage of waterpolluting products have to be followed. Prevent formation of aerosols.

**7.3 Specific end use(s):** No data available.

**Storage Class:** 10, Combustible liquids

**Product name:** SILKOLENE PRO RACE BRAKE FLUID

## SECTION 8: Exposure controls/personal protection

### 8.1 Control Parameters

#### Occupational Exposure Limits

Chemical name	type	Exposure Limit Values	Source
Diglycol	TWA	23 ppm 101 mg/m3	UK. EH40 Workplace Exposure Limits (WELs) (12 2011)

### 8.2 Exposure controls

#### Appropriate engineering controls:

Good general ventilation (typically 10 air changes per hour) should be used. 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: SILKOLENE PRO RACE BRAKE FLUID

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

#### Appearance

Physical state:	liquid
Form:	liquid
Color:	Colorless
Odor:	Characteristic
Odor Threshold:	No data available.
pH:	No data available.
Freezing point:	No data available.
Boiling Point:	No data available.
Flash Point:	> 100 °C
Evaporation Rate:	No data available.
Flammability (solid, gas):	No data available.
Flammability Limit - Upper (%)-:	22,0 %(V)
Flammability Limit - Lower (%)-:	0,7 %(V)
Vapor pressure:	No data available.
Vapor density (air=1):	No data available.
Density:	1,05 g/cm <sup>3</sup> (15 °C)

#### Solubility(ies)

Solubility in Water:	Soluble
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:** SILKOLENE PRO RACE BRAKE FLUID

---

**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:** ATEmix: 5.894,74 mg/kg  
**Specified substance(s)**  
Glycol derivative LD 50 (Rat): 6.730 mg/kg  
Diglycol LD 50 (Rat): 12.565 mg/kg  
LD 50 (Human): 1.120 mg/kg

##### Dermal

**Product:** Not classified for acute toxicity based on available data.

##### Specified substance(s)

Glycol derivative LD 50 (Rabbit): 3.540 mg/kg  
Diglycol LD 50 (Rabbit): 11.890 mg/kg

##### Inhalation

**Product:** Not classified for acute toxicity based on available data.

##### Specified substance(s)

Glycol derivative No data available.  
Diglycol No data available.

##### Repeated dose toxicity

**Product:** No data available.

##### Specified substance(s)

Glycol derivative No data available.  
Diglycol No data available.

##### Skin Corrosion/Irritation:

**Product:** No data available.

##### Specified substance(s)

Glycol derivative No data available.  
Diglycol OECD 404 (Rabbit):  
Not irritant.

##### Serious Eye Damage/Eye Irritation:

**Product:** No data available.

**Product name:** SILKOLENE PRO RACE BRAKE FLUID

---

**Specified substance(s)**

Glycol derivative                      No data available.  
Diglycol                                      No data available.

**Respiratory or Skin Sensitization:**

**Product:**                                      No data available.

**Specified substance(s)**

Glycol derivative                      No data available.  
Diglycol                                      No sensitizing effect (guinea pig); OECD 406

**Germ Cell Mutagenicity**

**In vitro**

**Product:**                                      No data available.

**Specified substance(s)**

Glycol derivative                      No data available.  
Diglycol                                      No data available.

**In vivo**

**Product:**                                      No data available.

**Specified substance(s)**

Glycol derivative                      No data available.  
Diglycol                                      No data available.

**Carcinogenicity**

**Product:**                                      No data available.

**Specified substance(s)**

Glycol derivative                      No data available.  
Diglycol                                      No data available.

**Reproductive toxicity**

**Product:**                                      No data available.

**Specified substance(s)**

Glycol derivative                      No data available.  
Diglycol                                      No data available.

**Specific Target Organ Toxicity - Single Exposure**

**Product:**                                      No data available.

**Specified substance(s)**

Glycol derivative                      No data available.  
Diglycol                                      No data available.

**Specific Target Organ Toxicity - Repeated Exposure**

**Product:**                                      No data available.

**Product name:** SILKOLENE PRO RACE BRAKE FLUID

---

**Specified substance(s)**

Glycol derivative No data available.  
Diglycol No data available.

**Aspiration Hazard**

**Product:** No data available.

**Specified substance(s)**

Glycol derivative No data available.  
Diglycol 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)**

Glycol derivative No data available.  
Diglycol LC 50 (Fish, 96 h): > 32.000 mg/l

**Aquatic Invertebrates**

**Product:** No data available.

**Specified substance(s)**

Glycol derivative No data available.  
Diglycol EC 50 (Water Flea, 48 h): > 10.000 mg/l

**Chronic Toxicity**

**Fish**

**Product:** No data available.

**Specified substance(s)**

Glycol derivative No data available.  
Diglycol No data available.

**Aquatic Invertebrates**

**Product:** No data available.

**Specified substance(s)**

Glycol derivative No data available.  
Diglycol No data available.

**Toxicity to Aquatic Plants**

**Product:** No data available.



**Product name:** SILKOLENE PRO RACE BRAKE FLUID

---

**Specified substance(s)**

Glycol derivative No data available.  
Diglycol No data available.

**12.2 Persistence and Degradability**

**Biodegradation**

**Product:** No data available.

**Specified substance(s)**

Glycol derivative No data available.  
Diglycol 92 % (28 d, OECD 301A)

**12.3 Bioaccumulative Potential**

**Product:** No data available.

**Specified substance(s)**

Glycol derivative No data available.  
Diglycol No data available.

**12.4 Mobility in Soil:**

No data available.

**Known or predicted distribution to environmental compartments**

Glycol derivative No data available.  
Diglycol No data available.

**12.5 Results of PBT and vPvB assessment:**

No data available.

Glycol derivative No data available.  
Diglycol No data available.

**12.6 Other Adverse Effects:**

No data available.

**Water Hazard Class (WGK):**

WGK 1: slightly water-endangering.

**SECTION 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.

**European Waste Codes**

13 01 11\*: synthetic hydraulic oils



**Product name:** SILKOLENE PRO RACE BRAKE FLUID

## SECTION 14: Transport information

### ADR/RID

- 14.1 UN Number: —
- 14.2 UN Proper Shipping Name: —
- 14.3 Transport Hazard Class(es)
  - Class: Non-dangerous goods
  - Label(s): —
  - 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: —
- 14.2 UN Proper Shipping Name: —
- 14.3 Transport Hazard Class(es)
  - Class: Non-dangerous goods
  - Label(s): —
- 14.3 Packing Group: —
- 14.5 Environmental hazards: —
- 14.6 Special precautions for user: —

### IMDG

- 14.1 UN Number: —
- 14.2 UN Proper Shipping Name: —
- 14.3 Transport Hazard Class(es)
  - Class: Non-dangerous goods
  - Label(s): —
  - EmS No.: —
- 14.3 Packing Group: —
- 14.5 Environmental hazards: —
- 14.6 Special precautions for user: —

### IATA

- 14.1 UN Number: —
- 14.2 Proper Shipping Name: —
- 14.3 Transport Hazard Class(es):
  - Class: Non-dangerous goods
  - Label(s): —
- 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:** SILKOLENE PRO RACE BRAKE FLUID

---

### EU Regulations

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

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

**15.2 Chemical safety assessment:**

No Chemical Safety Assessment has been carried out.

<b>SECTION 16: Other information</b>
--------------------------------------

**Revision Information:**

Vertical lines in the margin indicate an amendment.

**Wording of the H-statements in section 2 and 3**

H302	Harmful if swallowed.
H318	Causes serious eye damage.

**Training information:**

Follow training instructions when handling this material.

**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:**

30.06.2015

**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.