

# Safety Data Sheet as per regulation (EC) 1907/2006

Commercial Product Name: FGC 100 - Öl (100ml)



Revision date: 13.02.2020

Version: 1.0/en

Print date: 13.02.2020

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

### 1.1 Product identifier

Commercial Product Name FGC 100 - Lubricating Oil (100ml)

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

Relevant identified uses Lubricants, greases, release products

Recommended restrictions None under normal processing. Observe technical data sheet.

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

Company designation fischerwerke GmbH & Co. KG  
Weinhalde 14-18  
D-72178 Waldachtal  
Telephone: +49(0)7443 12-0  
FAX: +49(0)7443 12-4222  
Email: info-sdb@fischer.de

Marketer Great Britain: Mrs Mirka Valovicova, fischer Fixing (UK) Ltd  
Hithercroft Road  
Wallingford, Oxfordshire, OX10 9AT  
Telephone: +44 01491 827 920  
FAX: +44 01491 827 950  
Internet: www.fischer.co.uk

### 1.4 Emergency telephone number

Emergency telephone number +49(0)6132-84463 (24h)

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 Aerosol 1; H229 H222 Skin Irrit. 2; H315 Eye Irrit. 2; H319

### 2.2 Label elements

Hazard pictogram



GHS02



GHS07

Signal word

Danger

Hazardous component(s) to be indicated on label Poly(oxy(methyl-1,2-ethandiyl)), alpha-butyl-omega-hydroxy-

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H-statement(s)	H222: Extremely flammable aerosol. H229: Pressurised container: May burst if heated. H315: Causes skin irritation. H319: Causes serious eye irritation.
P-statement(s)	P101: If medical advice is needed, have product container or label at hand. 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. P410+P412: Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.
Further information	EUH066: Repeated exposure may cause skin dryness or cracking.

## 2.3 Other hazards

Particular information pertaining specific risk for human / environment None known.

Indication of danger None known.

Hazard precautions None known.

## SECTION 3: Composition/information on ingredients

### 3.2 Mixtures

#### Hazardous ingredients

Ingredient	CAS No.	Classification (EC) 1272/2008	Concentration
Poly(oxy(methyl-1,2-ethandiyl)), alpha-butyl-omega-hydroxy-	CAS No.: 9003-13-8 EC-No.: 500-003-1 REACH No.: 01-2119492302-43	Acute Tox. 4; H302 Skin Irrit. 2; H315 Eye Irrit. 2; H319	>= 50.0 % by weight
Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics	EC-No.: 926-141-6 REACH No.: 01-2119480162-45	Asp. Tox. 1; H304	25.0 - 50.0 % by weight
Carbon dioxide	CAS No.: 124-38-9 EC-No.: 204-696-9	Press. Gas; H280	2.5 - 10.0 % by weight

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

General advice  
If symptoms persist, call a physician.  
Take off all contaminated clothing immediately.  
Remove/Take off immediately all contaminated clothing.

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If inhaled	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. If unconscious place in recovery position and seek medical advice.
In case of skin contact	IF ON SKIN: Gently wash with plenty of soap and water.
In case of eye contact	In case of eye contact, remove contact lens and rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.
If swallowed	If swallowed, seek medical advice immediately and show this container or label. Clean mouth with water and drink afterwards plenty of water. Drink 1 or 2 glasses of water. Do NOT induce vomiting.

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

Immediate medical attention      No data available

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

Suitable extinguishing media      Carbon dioxide (CO<sub>2</sub>)  
Dry powder  
Foam  
Water spray jet

Extinguishing media which must not be used for safety reasons      High volume water jet

### 5.2 Special hazards arising from the substance or mixture

Special exposure hazards arising from the substance or preparation itself, its combustion products, or released gases      Container may rupture on heating.  
Heating or fire can release toxic gas.  
May form explosive mixtures in air.

### 5.3 Advice for firefighters

Special protective equipment for firefighting      In the event of fire, wear self-contained breathing apparatus.  
In the event of fire and/or explosion do not breathe fumes.

Additional information on fire-fighting      Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.  
Keep containers and surroundings cool with water spray. Container may rupture on heating.

## SECTION 6: Accidental release measures

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

Personal precautions      Ensure adequate ventilation, especially in confined areas.

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Keep away from sources of ignition - No smoking.  
Keep people away from and upwind of spill/leak.

## 6.2 Environmental precautions

Environmental precautions      The product should not be allowed to enter drains, water courses or the soil.  
Prevent spreading over a wide area (e.g. by containment or oil barriers).

## 6.3 Methods and material for containment and cleaning up

Methods for cleaning up      Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).  
Ensure adequate ventilation.

## 6.4 Reference to other sections

Reference to other sections      See chapter 8/13

## 6.5 Additional information

Other information      Treat recovered material as described in the section "Disposal considerations".  
Dispose of in accordance with local regulations.

# SECTION 7: Handling and storage

## 7.1 Precautions for safe handling

Advice on safe handling      Handle and open container with care.  
Provide sufficient air exchange and/or exhaust in work rooms. Vapours are heavier than air and may spread along floors.  
BEWARE: Aerosol is pressurized. Keep away from direct sun exposure and temperatures over 50°C. Do not open by force or throw into fire even after use. Do not spray on flames or red-hot objects.

Advice on protection against fire and explosion      Pressurized container: Protect from sunlight and do not expose to temperatures exceeding 50 °C. Do not pierce or burn, even after use.  
Take precautionary measures against static discharges.  
Do not spray on a naked flame or any other incandescent material.  
In use, may form flammable/explosive vapour-air mixture.  
Keep away from sources of ignition - No smoking.

## 7.2 Conditions for safe storage, including any incompatibilities

Storage space and container requirements      Keep containers tightly closed in a cool, well-ventilated place.  
Container may rupture on heating.  
Store in accordance with local regulations.

TRGS 510      2B Aerosols

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## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

#### Carbon dioxide

##### Great Britain

Long-term exposure value/ ppm	Long-term exposure value/ mg/m <sup>3</sup>	Short-term exposure value / ppm	Short-term exposure value / mg/m <sup>3</sup>	Source
5000	9150	15000	27400	EH40/2005 Workplace exposure limits (2011)

##### Europe

Long-term exposure value/ mg/m <sup>3</sup>	Long-term exposure value/ ppm	Issuing date	Source
9000	5000	2006/15	DIRECTIVE 2009/161/EU

### 8.2 Exposure controls

Respiratory protection	In case of inadequate ventilation wear respiratory protection.
Hand protection	Wear protective gloves.
Suitable material	butyl-rubber, Chloroprene, Nitrile rubber
Unsuitable material	PVC disposable gloves
Material thickness	>= 0,5 mm
Break through time	>120 min
Remarks	Replace when worn. Be aware that in daily use the durability of a chemical resistant protective glove can be notably shorter than the break through time measured according to EN 374, due to the numerous outside influences (e.g. temperature).
Eye protection	Tightly fitting safety goggles
Skin and body protection	Wear suitable protective equipment.
Note	Choose body protection according to the amount and concentration of the dangerous substance at the work place.
General protective and hygiene measures	Smoking, eating and drinking should be prohibited in the application area. Avoid contact with skin, eyes and clothing. Take off all contaminated clothing immediately. Do not breathe vapors, mist or gas. Wash hands before breaks and at the end of workday. Keep away from food, drink and animal feedingstuffs. Use protective skin cream before handling the product.
Information on environmental protection regulations	No special environmental precautions required.
Engineering measures	Ensure adequate ventilation, especially in confined areas.

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## **SECTION 9: Physical and chemical properties**

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

Physical state	Aerosol
Colour	diverse
Odour threshold	not determined
pH	not determined
Melting point [°C] / Freezing point [°C]	- 56,6
Boiling point [°C]	- 78,5
Flash point [°C]	67
Evaporation rate [kg/(s*m <sup>2</sup> )]	No data available
Flammability (solid, gas)	Flammable Aerosol
Explosion limits [Vol-% ]	
Lower limit	0,5
Upper limit	5
Vapour pressure [kPa]	57,3
Density [g/cm <sup>3</sup> ]	No data available
Relative density	not determined
Water solubility [g/l]	insoluble
Solubility [g/l]	No data available
Partition coefficient n-octanol /water (log P O/W)	not determined
Autoignition temperature [°C]	not determined
Autoinflammability	not auto-flammable
Decomposition temperature [°C]	not determined
Viscosity, dynamic [kg/(m*s)]	not determined
Risk of explosion.	In use, may form flammable/explosive vapour-air mixture.
Oxidising properties	No data available

### **9.2 Other information**

Ignition temperature [°C]	> 200
Relative vapour density (air=1)	not determined
Miscibility with water	partly miscible
Solvent content [%]	95,64

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## SECTION 10: Stability and reactivity

### 10.1 Reactivity

Thermal decomposition No decomposition if stored and applied as directed.

### 10.2 Chemical stability

Chemical stability Stable under recommended storage conditions.

### 10.3 Possibility of hazardous reactions

Hazardous reactions None under normal processing.

### 10.4 Conditions to avoid

Conditions to avoid Container may rupture on heating.  
No decomposition if used as directed.

### 10.5 Incompatible materials

Materials to avoid No dangerous reaction known under conditions of normal use.

### 10.6 Hazardous decomposition products

Hazardous decomposition products Carbon oxides

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

#### Oral toxicity [mg/kg]

##### Hazardous ingredients

Poly(oxy(methyl-1,2-ethandiyl)), alpha-butyl-omega-hydroxy-		
Value	Test criterion	Source
500	ATE	Company data

#### Dermal toxicity [mg/kg]

##### Hazardous ingredients

Poly(oxy(methyl-1,2-ethandiyl)), alpha-butyl-omega-hydroxy-		
Value	Test criterion	Source
2000	ATE	Company data

### 11.2 Additional information

Other information (chapter 11.) The product itself has not been tested.

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## SECTION 12: Ecological information

### 12.1 Toxicity

#### Toxicity to fish [mg/l]

##### Hazardous ingredients

Poly(oxy(methyl-1,2-ethandiyl)), alpha-butyl-omega-hydroxy-			
Value	Test criterion	Exposure duration	Source
564	LC50	96 h	Company data

#### Toxicity to daphnia [mg/l]

##### Hazardous ingredients

Poly(oxy(methyl-1,2-ethandiyl)), alpha-butyl-omega-hydroxy-			
Value	Test criterion	Exposure duration	Source
> 100	EL50:	48 h	Company data

#### Toxicity to algae [mg/l]

##### Hazardous ingredients

Poly(oxy(methyl-1,2-ethandiyl)), alpha-butyl-omega-hydroxy-			
Value	Test criterion	Exposure duration	Source
358	EL50:	24 h	Company data

### 12.6 Other adverse effects

Further information on ecology      The product itself has not been tested.

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

Disposal considerations      Disposal together with normal waste is not allowed. Special disposal required according to local regulations.  
Do not flush into surface water or sanitary sewer system.

Waste Code      160504 - gases in pressure containers (including halons) containing dangerous substances  
150104 - metallic packaging

## SECTION 14: Transport information

	Land transport ADR/RID	Marine transport IMDG	Air transport ICAO/IATA
14.1 UN-No	1950	1950	1950
14.2 Description of the goods	AEROSOLS	AEROSOLS	Aerosols, flammable
14.3 Transport hazard class(es)	2	2.1	2.1
Remarks	inflammable	(maximum 1 L) flammable	
Labels	2.1	2.1	2.1 - Gases: Flammable
Category	2		



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	Land transport ADR/RID	Marine transport IMDG	Air transport ICAO/IATA
Classification Code	5F		
Tunnel restriction code	D		
14.2 UN proper shipping name		AEROSOLS	Aerosols, flammable
EmS		F-D;S-U	
Stowage category		A	

## 14.6 Special precautions for user

Precautions not required under normal use

## 14.7 Transport in bulk according to Annex II of MARPOL and the IBC Code

Transport in bulk according to Annex II of MARPOL and the IBC Code not applicable

## SECTION 15: Regulatory information

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

Classification in compliance with the Industrial Safety Regulation Extremely flammable

### 15.2 Chemical safety assessment

Safety assessment Not relevant. Chemical safety assessments for substances in this mixture were not carried out.

## SECTION 16: Other information

Modifications since last version Modifications of the previous version are denoted with an asterisk (\*).

Relevant H-phrases  
H222: Extremely flammable aerosol.  
H229: Pressurised container: May burst if heated.  
H280: Contains gas under pressure; may explode if heated.  
H302: Harmful if swallowed.  
H304: May be fatal if swallowed and enters airways.  
H315: Causes skin irritation.  
H319: Causes serious eye irritation.

Wording of the hazard classes  
Acute Tox.: Acute toxicity  
Skin Irrit.: Skin irritation  
Eye Irrit.: Serious eye irritation  
Asp. Tox.: Aspiration hazard  
Aerosol: aerosols

Classification for mixtures and used evaluation method accord-

Classification	Evaluation
Aerosol 1; H222 H229	Experimental data
Skin Irrit. 2; H315	Calculated

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ing to regulation (EC) 1272/2008  
[CLP]

Classification	Evaluation
Eye Irrit. 2; H319	Calculated

Recommended restrictions

None under normal processing. Observe technical data sheet.