

## SAFETY DATA SHEET

According to REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758

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

#### 1.1 Product identifier

**Product name:** ANTICORIT DFO 8101

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

**Identified uses:** Anticorrosion product

**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  
ST1 5HU Hanley

**Telephone:** +44 (0) 1782 203700

**Contact Person:** Product Safety department

**E-mail:** product.safety@fuchs.com  
**Telephone:** +44 (0) 1782 203700

**1.4 Emergency telephone number:** UK NHS: Dial 111. Ireland NPIS: Dial +353 1 8092566.

### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

The product has been classified and labelled as hazardous according to regulation GB-CLP.

##### Classification according to GB-CLP.

##### Health Hazards

Aspiration Hazard	Category 1	H304: May be fatal if swallowed and enters airways.
-------------------	------------	-----------------------------------------------------

##### Hazard summary

**Physical Hazards:** Can form flammable vapour-air mixtures during the application.

##### Health Hazards

**Ingestion:** If ingested, material may be aspirated into the lungs and cause chemical pneumonitis. Treat appropriately.

#### 2.2 Label Elements

**Product name:** ANTICORIT DFO 8101

**Contains:** Hydrocarbons, low viscosity



**Signal Words:** Danger

**Hazard Statement(s):** H304: May be fatal if swallowed and enters airways.

**Precautionary Statements**

**Response:** P301+P310: IF SWALLOWED: Immediately call a POISON CENTER/doctor.  
P331: Do NOT induce vomiting.

**Supplemental label information**

GBH208: Contains: Calcium Sulfonate. May produce an allergic reaction.

GBH066: Repeated exposure may cause skin dryness or cracking.

**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:** Mixture based on severely refined mineral base oils with corrosion preventive agents and volatile hydrocarbons.

Chemical name	Identifier	Concentration *	UK-REACH Registration No.	Notes
Hydrocarbons, low viscosity	EINECS: 920-901-0	50,00% - <100,00%		
Glycol derivative	EINECS: 203-961-6	1,00% - <5,00%		
Calcium Sulfonate	EINECS: 263-093-9	1,00% - <5,00%		

\* 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.

**Product name:** ANTICORIT DFO 8101

### Classification

Chemical name	Identifier	Classification
Hydrocarbons, low viscosity	EINECS: 920-901-0	GBCLP: Asp. Tox. 1;H304
Glycol derivative	EINECS: 203-961-6	GBCLP: Eye Irrit. 2;H319
Calcium Sulfonate	EINECS: 263-093-9	GBCLP: Skin Sens. 1B;H317

GB-CLP

### specific concentration limit

Chemical name	Identifier	specific concentration limit	Hazard class	Hazard Category	Hazard statements
Calcium Sulfonate	EINECS: 263-093-9	>= 10 %	Skin sensitizer	1B	H317

For the wording of the listed hazard statements refer to section 16.

Please note that the mineral oils and petroleum distillates used in our products are severely refined and have a DMSO extract < 3% as measured by method IP 346 and are not classified as carcinogenic according to Note L of Annex VI of Regulation GB-CLP.

## SECTION 4: First aid measures

**General:** Instantly remove any clothing soiled by the product.

### 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 water and soap; pay attention: skin degreasing product.

**Ingestion:** Call a physician or poison control center immediately. Rinse mouth. Never give liquid to an unconscious person. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs. Do NOT induce vomiting.

**4.2 Most important symptoms and effects, both acute and delayed:** If ingested, material may be aspirated into the lungs and cause chemical pneumonitis. Treat appropriately. Headache.

**4.3 Indication of any immediate medical attention and special treatment needed** Get medical attention if symptoms occur.

## SECTION 5: Firefighting measures

**General Fire Hazards:** Use water spray to keep fire-exposed containers cool.

**Product name:** ANTICORIT DFO 8101

### 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:

Can form explosive vapor-air mixtures at higher temperatures.

### 5.3 Advice for firefighters

**Special fire fighting procedures:** Move container from fire area if it can be done without risk. Dispose of fire debris and contaminated fire fighting water in accordance with official regulations. Collect contaminated fire fighting water separately. It must not enter drains.

**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. Keep away from sources of ignition - No smoking.

**6.2 Environmental Precautions:** Prevent from spreading (e.g. by binding or oil barriers). Avoid release to the environment. Environmental manager must be informed of all major spillages. Prevent further leakage or spillage if safe to do so. Do not allow to enter drainage system, surface or ground water.

**6.3 Methods and material for containment and cleaning up:** Absorb with liquid-binding material (sand, diatomite, acidbinders, universal binders, sawdust). Dispose of the material collected according to regulations. Stop the flow of material, if this is without risk.

**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:** Use only in well-ventilated areas. Risk of vapor concentration on the floor and in low-lying areas. Prevent formation of aerosols. Do not eat, drink or smoke when working with the product. Take usual precautions when handling mineral oil products or chemical products. Observe good industrial hygiene practices. Provide adequate ventilation.

**Product name:** ANTICORIT DFO 8101

**7.2 Conditions for safe storage, including any incompatibilities:** Store locked up. Local regulations concerning handling and storage of waterpolluting products have to be followed. The precautions for storing and handling of flammable liquids have to be kept. Local regulations for common storage of flammable liquids have to be followed. Do not heat up to temperatures close to the flash point.

**7.3 Specific end use(s):** Not applicable

**Storage Class:** 10, Combustible liquids

## SECTION 8: Exposure controls/personal protection

### 8.1 Control Parameters

#### Occupational Exposure Limits

Chemical name	Type	Exposure Limit Values	Source
Glycol derivative	TWA	10 ppm 67,5 mg/m <sup>3</sup>	UK. EH40 Workplace Exposure Limits (WELs), as amended (12 2011)
Glycol derivative	STEL	15 ppm 101,2 mg/m <sup>3</sup>	UK. EH40 Workplace Exposure Limits (WELs), as amended (12 2011)

### 8.2 Exposure controls

**Appropriate engineering controls:** Provide adequate ventilation. 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.

**Product name:** ANTICORIT DFO 8101

**Skin protection**

**Hand Protection:**

Material: Nitrile butyl rubber (NBR).  
Min. Breakthrough time:  $\geq 480$  min  
Recommended thickness of the material:  $\geq 0,38$  mm

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:**

Ensure good ventilation/exhaustion at the workplace. Avoid breathing vapour/ aerosol.

**Thermal hazards:**

Not known.

**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.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

**Appearance**

**Physical state:**

liquid

**Form:**

liquid

**Color:**

Amber

**Odor:**

Characteristic

**pH:**

substance/mixture is non-soluble (in water)

**Freezing point:**

not determined

**Boiling Point:**

not determined

**Flash Point:**

74 °C

**Evaporation Rate:**

Not applicable for mixtures

**Flammability (solid, gas):**

not determined

**Flammability Limit - Upper (%)—:**

Not applicable for mixtures

**Flammability Limit - Lower (%)—:**

Not applicable for mixtures

**Vapor pressure:**

Not applicable for mixtures

**Relative vapor density:**

Not applicable for mixtures

**Density:**

0,78 g/ml (15,00 °C)

**Solubility(ies)**

**Solubility in Water:**

Insoluble in water

**Solubility (other):**

No data available.

**Product name:** ANTICORIT DFO 8101

<b>Partition coefficient (n-octanol/water):</b>	Not applicable for mixtures
<b>Autoignition Temperature:</b>	not determined
<b>Decomposition Temperature:</b>	not determined
<b>Kinematic viscosity:</b>	2,4 mm <sup>2</sup> /s (20 °C)
<b>Explosive properties:</b>	Value not relevant for classification
<b>Oxidizing properties:</b>	Value not relevant for classification
<b>Particle characteristics:</b>	Not applicable
<b>9.2 Other information</b>	No data available.

## SECTION 10: Stability and reactivity

<b>10.1 Reactivity:</b>	Stable under normal use conditions.
<b>10.2 Chemical Stability:</b>	Stable under normal use conditions.
<b>10.3 Possibility of hazardous reactions:</b>	Stable under normal use conditions.
<b>10.4 Conditions to avoid:</b>	Stable under normal use conditions.
<b>10.5 Incompatible Materials:</b>	Strong oxidizing substances. Strong acids. Strong bases.
<b>10.6 Hazardous Decomposition Products:</b>	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

<b>Product:</b>	Not classified for acute toxicity based on available data.
<b>Specified substance(s)</b>	
Hydrocarbons, low viscosity	LD 50 (Rat): > 10.000 mg/kg
Glycol derivative	LD 50 (Rat): 3.384 mg/kg
Calcium Sulfonate	LD 50 (Rat): > 16.000 mg/kg

##### Dermal

<b>Product:</b>	Not classified for acute toxicity based on available data.
<b>Specified substance(s)</b>	
Glycol derivative	LD 50 (Rabbit): 2.700 mg/kg
Calcium Sulfonate	LD 50 (Rat): > 5.001 mg/kg

**Product name:** ANTICORIT DFO 8101

---

**Inhalation**

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

**Specified substance(s)**

Hydrocarbons, low viscosity  
LC 50 (Rat, 4 h): > 5 mg/l

**Skin Corrosion/Irritation:**

**Product:** Based on available data, the classification criteria are not met.

**Specified substance(s)**

Calcium Sulfonate  
OECD 404 (Rabbit):  
Not irritant.

**Serious Eye Damage/Eye Irritation:**

**Product:** Based on available data, the classification criteria are not met.

**Respiratory or Skin Sensitization:**

**Product:**

Experimental data has shown that the concentration of potentially sensitizing components present in this product does not induce skin sensitization.

**Specified substance(s)**

Calcium Sulfonate  
May cause sensitization by skin contact.

**Germ Cell Mutagenicity**

**Product:** Based on available data, the classification criteria are not met.

**Carcinogenicity**

**Product:** Based on available data, the classification criteria are not met.

**Reproductive toxicity**

**Product:** Based on available data, the classification criteria are not met.

**Specific Target Organ Toxicity - Single Exposure**

**Product:** Based on available data, the classification criteria are not met.

**Specific Target Organ Toxicity - Repeated Exposure**

**Product:** Based on available data, the classification criteria are not met.

**Aspiration Hazard**

**Product:** May be fatal if swallowed and enters airways.

**Other adverse effects:**

No data available.



**Product name:** ANTICORIT DFO 8101

## SECTION 12: Ecological information

### 12.1 Toxicity

#### Acute toxicity

**Product:** Based on available data, the classification criteria are not met.

#### Fish

##### Specified substance(s)

Hydrocarbons, low viscosity LC 50 (Fish, 96 h): > 101 mg/l

Glycol derivative LC 50 (Fish, 96 h): 1.300 mg/l

Calcium Sulfonate LC 50 (Fish, 96 h): > 10.000 mg/l (OECD 203)

#### Aquatic Invertebrates

##### Specified substance(s)

Glycol derivative EC 50 (Water Flea, 48 h): > 101 mg/l

Calcium Sulfonate EC 50 (Water Flea, 48 h): > 100 mg/l (OECD 202)

#### Chronic Toxicity

**Product:** Based on available data, the classification criteria are not met.

#### Toxicity to Aquatic Plants

##### Specified substance(s)

Glycol derivative EC 50 (Alga, 96 h): > 101 mg/l

### 12.2 Persistence and Degradability

#### Biodegradation

**Product:** Not applicable for mixtures

##### Specified substance(s)

Hydrocarbons, low viscosity 31 % (28 d, OECD 301F) Not readily degradable.

Calcium Sulfonate 8,6 % (28 d) Not easily biodegradable

### 12.3 Bioaccumulative potential

**Product:** Not applicable for mixtures

### 12.4 Mobility in soil:

**Product:** Not applicable for mixtures

### 12.5 Results of PBT and vPvB assessment:

The product does not contain any substances fulfilling the PBT/vPvB criteria.

### 12.6 Other adverse effects:

No data available.

#### Water Hazard Class

WGK 1: slightly water-endangering.

**Product name:** ANTICORIT DFO 8101

**(WGK):**

### SECTION 13: Disposal considerations

#### 13.1 Waste treatment methods

**General information:** Dispose in accordance with all applicable regulations.

**Disposal methods:** Discharge, treatment, or disposal may be subject to national, state, or local laws.

#### List of Waste (LoW) Codes

07 04 04\*: other organic solvents, washing liquids and mother liquors

### 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: —

#### 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 MARPOL and the IBC Code:** Not applicable.

**Product name:** ANTICORIT DFO 8101

## SECTION 15: Regulatory information

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

#### GB Regulations

**The Ozone-Depleting Substances and Fluorinated Greenhouse Gases (Amendment etc.) (EU Exit) Regulations 2019:**

none

**The Persistent Organic Pollutants (Amendment) (EU Exit) Regulations 2020:**

none

### 15.2 Chemical safety assessment:

No Chemical Safety Assessment has been carried out.

## SECTION 16: Other information

### Revision Information:

Vertical lines in the margin indicate an amendment.

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

H304	May be fatal if swallowed and enters airways.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.

### Other information:

The classification complies with the current GB lists; however, it has been supplemented with expert literature information and information provided by/about our company. The following evaluation methods were used: On the basis of test data; Calculation Method; Bridging Principle "Substantially similar mixtures"; Expert Judgement

### Revision Date:

23.12.2021

### 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.