

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: ANTICORIT DFO 8301

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
Hanley
Stoke-on-Trent, Staffordshire, ST1 5HU
UK

Telephone:

+44 (0) 1782 203700

Contact Person:

Telephone:

E-mail:

Product Safety department
+44 (0) 1782 203700
product.safety@fuchs-oil.com

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 (EU) 1272/2008 (CLP).

Classification according to Regulation (EC) No 1272/2008 as amended.

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. 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.

2.2 Label Elements

Contains:

Isoparaffines, low viscous

Product name: ANTICORIT DFO 8301



Signal Words: Danger

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

Precautionary Statement

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

Disposal: P501: Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.

Supplemental label information

EUH208: Contains Calcium Sulfonate, Ca sulfonate. May produce an allergic reaction.

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 *	REACH Registration No.	Notes
Isoparaffines, low viscous	EINECS: 920-901-0	50,00 - <100,00%	01-2119456810-40	
Calcium Sulfonate	EINECS: 263-093-9	1,00 - <5,00%	01-2119488992-18	
Glycol derivative	EINECS: 203-961-6	1,00 - <5,00%	01-2119475104-44	
Ca sulfonate	EINECS: 939-603-7	1,00 - <5,00%	01-2119978241-36	
phenolic antioxidant	EINECS: 204-881-4	0,10 - <0,25%	01-2119565113-46	

* 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 8301

Classification

Chemical name	Identifier	Classification
Isoparaffines, low viscous	EINECS: 920-901-0	CLP: Asp. Tox. 1;H304
Calcium Sulfonate	EINECS: 263-093-9	CLP: Skin Sens. 1B;H317
Glycol derivative	EINECS: 203-961-6	CLP: Eye Irrit. 2;H319
Ca sulfonate	EINECS: 939-603-7	CLP: Skin Sens. 1B;H317
phenolic antioxidant	EINECS: 204-881-4	CLP: Aquatic Acute 1;H400, Aquatic Chronic 1;H410

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 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.

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

5.1 Extinguishing media

Suitable extinguishing media: CO₂, 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.

Product name: ANTICORIT DFO 8301

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. Keep away from sources of ignition - No smoking.

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: Use only in well-ventilated areas. Risk of vapor concentration on the floor and in low-lying areas.

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. Prevent formation of aerosols. 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/m3	UK. EH40 Workplace Exposure Limits (WELs) (12 2011)
Glycol derivative	STEL	15 ppm 101,2 mg/m3	UK. EH40 Workplace Exposure Limits (WELs) (12 2011)

Product name: ANTICORIT DFO 8301

8.2 Exposure controls

Appropriate engineering controls: No data available.

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:	Material: 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:	In case of insufficient ventilation, wear suitable respiratory equipment. Seek advice from local supervisor.
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:	Pale yellow
Odor:	Characteristic
Odor Threshold:	Not applicable for mixtures
pH:	not applicable
Freezing point:	Not applicable for mixtures
Boiling Point:	not applicable
Flash Point:	74 °C

Product name: ANTICORIT DFO 8301

Evaporation Rate:	Not applicable for mixtures
Flammability (solid, gas):	Value not relevant for classification
Flammability Limit - Upper (%)—:	Not applicable for mixtures
Flammability Limit - Lower (%)—:	Not applicable for mixtures
Vapor pressure:	Not applicable for mixtures
Vapor density (air=1):	Not applicable for mixtures
Density:	0,80 g/ml (15,00 °C)
Solubility(ies)	
Solubility in Water:	Insoluble in water
Solubility (other):	No data available.
Partition coefficient (n-octanol/water):	Not applicable for mixtures
Autoignition Temperature:	Value not relevant for classification
Decomposition Temperature:	Value not relevant for classification
Kinematic viscosity:	2,3 mm ² /s (40,00 °C)
Explosive properties:	Value not relevant for classification
Oxidizing properties:	Value not relevant for classification
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.
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:

Not classified for acute toxicity based on available data.

Product name: ANTICORIT DFO 8301

Specified substance(s)

Isoparaffines, low viscous	LD 50 (Rat): > 10.000 mg/kg
Calcium Sulfonate	LD 50 (Rat): > 16.000 mg/kg
Glycol derivative	LD 50 (Rat): 3.384 mg/kg
Ca sulfonate	No data available.
phenolic antioxidant	LD 50 (Rat): 2.930 mg/kg (OECD 401)

Dermal

Product:

Not classified for acute toxicity based on available data.

Specified substance(s)

Isoparaffines, low viscous	LD 50 (Rabbit): > 3.160 mg/kg
Calcium Sulfonate	LD 50 (Rat): > 4.000 mg/kg
Glycol derivative	LD 50 (Rabbit): 2.700 mg/kg
Ca sulfonate	No data available.
phenolic antioxidant	LD 50 (Rat): > 5.000 mg/kg (OECD 402)

Inhalation

Product:

Not classified for acute toxicity based on available data.

Specified substance(s)

Isoparaffines, low viscous	No data available.
Calcium Sulfonate	No data available.
Glycol derivative	No data available.
Ca sulfonate	No data available.
phenolic antioxidant	No data available.

Repeated dose toxicity

Product:

No data available.

Specified substance(s)

Isoparaffines, low viscous	No data available.
Calcium Sulfonate	No data available.
Glycol derivative	No data available.
Ca sulfonate	No data available.
phenolic antioxidant	(Rat, Oral, 28 d): 25 mg/kg

Skin Corrosion/Irritation:

Product:

No data available.

Specified substance(s)

Isoparaffines, low viscous	No data available.
Calcium Sulfonate	No data available.
Glycol derivative	No data available.
Ca sulfonate	No data available.
phenolic antioxidant	No data available.

Product name: ANTICORIT DFO 8301

Serious Eye Damage/Eye Irritation:

Product: No data available.

Specified substance(s)

Isoparaffines, low viscous	No data available.
Calcium Sulfonate	No data available.
Glycol derivative	No data available.
Ca sulfonate	No data available.
phenolic antioxidant	No data available.

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)

Isoparaffines, low viscous	No data available.
Calcium Sulfonate	No data available.
Glycol derivative	No data available.
Ca sulfonate	No data available.
phenolic antioxidant	No data available.

No sensitizing effect (guinea pig); OECD 406

Germ Cell Mutagenicity

In vitro

Product: No data available.

Specified substance(s)

Isoparaffines, low viscous	No data available.
Calcium Sulfonate	No data available.
Glycol derivative	No data available.
Ca sulfonate	No data available.
phenolic antioxidant	No data available.

In vivo

Product: No data available.

Specified substance(s)

Isoparaffines, low viscous	No data available.
Calcium Sulfonate	No data available.
Glycol derivative	No data available.
Ca sulfonate	No data available.
phenolic antioxidant	No data available.

Carcinogenicity

Product: No data available.

Specified substance(s)

Product name: ANTICORIT DFO 8301

Isoparaffines, low viscous	No data available.
Calcium Sulfonate	No data available.
Glycol derivative	No data available.
Ca sulfonate	No data available.
phenolic antioxidant	No data available.

Reproductive toxicity

Product: No data available.

Specified substance(s)

Isoparaffines, low viscous	No data available.
Calcium Sulfonate	No data available.
Glycol derivative	No data available.
Ca sulfonate	No data available.
phenolic antioxidant	No data available.

Specific Target Organ Toxicity - Single Exposure

Product: No data available.

Specified substance(s)

Isoparaffines, low viscous	No data available.
Calcium Sulfonate	No data available.
Glycol derivative	No data available.
Ca sulfonate	No data available.
phenolic antioxidant	No data available.

Specific Target Organ Toxicity - Repeated Exposure

Product: No data available.

Specified substance(s)

Isoparaffines, low viscous	No data available.
Calcium Sulfonate	No data available.
Glycol derivative	No data available.
Ca sulfonate	No data available.
phenolic antioxidant	No data available.

Aspiration Hazard

Product: May be fatal if swallowed and enters airways.

Specified substance(s)

Isoparaffines, low viscous	No data available.
Calcium Sulfonate	No data available.
Glycol derivative	No data available.
Ca sulfonate	No data available.
phenolic antioxidant	No data available.

Other Adverse Effects: No data available.

Product name: ANTICORIT DFO 8301

SECTION 12: Ecological information

12.1 Toxicity

Acute toxicity

Fish

Product: No data available.

Specified substance(s)

Isoparaffines, low viscous	LC 50 (Fish, 96 h): > 101 mg/l
Calcium Sulfonate	No data available.
Glycol derivative	LC 50 (Fish, 96 h): 1.300 mg/l
Ca sulfonate	LC 50 (Fish, 96 h): > 101 mg/l
phenolic antioxidant	LC 50 (Fish, 96 h): > 0,57 mg/l (OECD 203)

Aquatic Invertebrates

Product: No data available.

Specified substance(s)

Isoparaffines, low viscous	No data available.
Calcium Sulfonate	No data available.
Glycol derivative	EC 50 (Water Flea, 48 h): > 101 mg/l
Ca sulfonate	EC 50 (Water Flea, 48 h): > 1.001 mg/l
phenolic antioxidant	EC 50 (Water Flea, 48 h): > 0,17 mg/l

Chronic Toxicity

Fish

Product: No data available.

Specified substance(s)

Isoparaffines, low viscous	No data available.
Calcium Sulfonate	No data available.
Glycol derivative	No data available.
Ca sulfonate	No data available.
phenolic antioxidant	No data available.

Aquatic Invertebrates

Product: No data available.

Specified substance(s)

Isoparaffines, low viscous	No data available.
Calcium Sulfonate	No data available.
Glycol derivative	No data available.
Ca sulfonate	No data available.
phenolic antioxidant	NOEC (Water Flea, 21 d): > 0,39 mg/l

Toxicity to Aquatic Plants

Product: No data available.

Specified substance(s)

Product name: ANTICORIT DFO 8301

Isoparaffines, low viscous	No data available.
Calcium Sulfonate	No data available.
Glycol derivative	EC 50 (Alga, 96 h): > 101 mg/l
Ca sulfonate	EC 50 (Alga, 72 h): > 101 mg/l
phenolic antioxidant	EC 50 (Alga, 72 h): > 0,42 mg/l

12.2 Persistence and Degradability

Biodegradation

Product: No data available.

Specified substance(s)

Isoparaffines, low viscous	31 % (28 d, OECD 301F) Not readily degradable.
Calcium Sulfonate	No data available.
Glycol derivative	No data available.
Ca sulfonate	No data available.
phenolic antioxidant	30 % (OECD 302C)

12.3 Bioaccumulative Potential

Product: No data available.

Specified substance(s)

Isoparaffines, low viscous	No data available.
Calcium Sulfonate	No data available.
Glycol derivative	No data available.
Ca sulfonate	No data available.
phenolic antioxidant	May be accumulated in organism

12.4 Mobility in Soil: No data available.

Known or predicted distribution to environmental compartments

Isoparaffines, low viscous	No data available.
Calcium Sulfonate	No data available.
Glycol derivative	No data available.
Ca sulfonate	No data available.
phenolic antioxidant	No data available.

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): WGK 1: slightly water-endangering.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

General information: Dispose in accordance with all applicable regulations.

Product name: ANTICORIT DFO 8301

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

European Waste 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:	—

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:	—

Product name: ANTICORIT DFO 8301

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:

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.

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.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.

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: 08.12.2015

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.