

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 A 180

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

Identified uses: Anticorrosion product Lubricant

Uses advised against: No uses advised against identified.

1.3 Details of the supplier of the safety data sheet

Manufacturer / Supplier

Fuchs Schmierstoffe GmbH
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68169 Mannheim

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1.4 Emergency telephone number:

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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.

Health Hazards

Skin Contact:

At long or repeated contact with skin it may cause dermatitis due to the degreasing effect of the solvent.

Ingestion:

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

Product name: ANTICORIT A 180

2.2 Label Elements

Contains: Hydrocarbons, low viscosity



Signal Words: Danger

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

Precautionary Statement

Prevention: P280: Wear protective gloves.

Response: P301+P310: IF SWALLOWED: Immediately call a POISON CENTER/doctor.
P331: Do NOT induce vomiting.
P332+P313: If skin irritation occurs: Get medical advice/attention.

Storage: P405: Store locked up.

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

EUH066: 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

3.1 Substances

General information:

Chemical name: Hydrocarbons, low viscosity

Identifier: 918-481-9

REACH Registration No.: 01-2119457273-39

SECTION 4: First aid measures

General: Instantly remove any clothing soiled by the product.

Product name: ANTICORIT A 180

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.

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.

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.

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- 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:** Avoid forming spray/aerosol mists. When using do not eat, drink or smoke. Avoid contact with eyes and prolonged or repeated contact with skin. Store away from foodstuffs. 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.

- 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 |
|-----------------------------|------|-----------------------|---|
| Hydrocarbons, low viscosity | MAK | 50 ppm 300 mg/m3 | Germany. DFG MAK List (advisory OELs). Commission for the Investigation of Health Hazards of Chemical Compounds in the Work Area (DFG) (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

Product name: ANTICORIT A 180

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| 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: Neoprene. Material: Nitrile rubber. Material: Nitrile butyl rubber (NBR). Min. Breakthrough time: ≥ 480 min Recommended thickness of the material: $\geq 0,38$ mm |
| | The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed. Use skin protection cream for preventive skin protection. 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: | Respiratory protection not required. Avoid breathing vapour/ aerosol. 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

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|------------------------|---------------------------------------|
| Physical state: | liquid |
| Form: | liquid |
| Color: | Colorless |
| Odor: | Characteristic |
| Odor Threshold: | Value not relevant for classification |
| pH: | not applicable not applicable |

Product name: ANTICORIT A 180

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|---|---------------------------------------|
| Freezing point: | < -20 °C |
| Boiling Point: | 160 - 245 °C |
| Flash Point: | 63 °C |
| Evaporation Rate: | Value not relevant for classification |
| Flammability (solid, gas): | Value not relevant for classification |
| Flammability Limit - Upper (%)-: | 7,0 %(V) |
| Flammability Limit - Lower (%)-: | 0,6 %(V) |
| Vapor pressure: | 1 hPa (20 °C) |
| Vapor density (air=1): | > 1,0 |
| Density: | 0,79 g/cm ³ (15 °C) |
| Solubility(ies) | |
| Solubility in Water: | Insoluble in water |
| Solubility (other): | No data available. |
| Partition coefficient (n-octanol/water): | Value not relevant for classification |
| Autoignition Temperature: | Value not relevant for classification |
| Decomposition Temperature: | Value not relevant for classification |
| Kinematic viscosity: | 1,32 mm ² /s (40 °C) |
| Explosive properties: | Value not relevant for classification |
| Oxidizing properties: | Value not relevant for classification |

9.2 Other information

| | |
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| Minimum ignition temperature: | > 200 °C |
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SECTION 10: Stability and reactivity

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| 10.1 Reactivity: | Stable under normal use conditions. |
| 10.2 Chemical Stability: | Stable under normal use conditions. |
| 10.3 Possibility of hazardous reactions: | Stable under normal use conditions. |
| 10.4 Conditions to avoid: | Stable under normal use conditions. |
| 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

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| Oral Hydrocarbons, low viscosity | LD 50 (Rat): > 5.000 mg/kg (OECD 401) |
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Product name: ANTICORIT A 180

Dermal

Hydrocarbons, low viscosity LD 50 (Rabbit): > 3.160 mg/kg

Inhalation

No data available.

Skin Corrosion/Irritation:

No data available.

Serious Eye Damage/Eye Irritation:

No data available.

Respiratory or Skin Sensitization:

No data available.

Germ Cell Mutagenicity

In vitro

No data available.

In vivo

No data available.

Carcinogenicity

No data available.

Reproductive toxicity

No data available.

Specific Target Organ Toxicity - Single Exposure

No data available.

Specific Target Organ Toxicity - Repeated Exposure

No data available.

Aspiration Hazard

No data available.

Other Adverse Effects:

No data available.

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| SECTION 12: Ecological information |
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12.1 Toxicity

Acute toxicity

Fish

Hydrocarbons, low viscosity LC 50 (Fish, 96 h): > 1.001 mg/l (OECD 203)

Aquatic Invertebrates

Product name: ANTICORIT A 180

Hydrocarbons, low viscosity EC 50 (Water Flea, 48 h): > 1.000 mg/l (OECD 202)

Chronic Toxicity

Fish

No data available.

Aquatic Invertebrates

No data available.

Toxicity to Aquatic Plants

Hydrocarbons, low viscosity EC 50 (Alga, 72 h): > 1.000 mg/l (OECD 201)

12.2 Persistence and Degradability

Biodegradation

Hydrocarbons, low viscosity 80 % (28 d, OECD 301F) Readily biodegradable

12.3 Bioaccumulative Potential

No data available.

12.4 Mobility in Soil:

No data available.

12.5 Results of PBT and vPvB assessment:

Hydrocarbons, low viscosity Not fulfilling PBT (persistent/bioaccumulative/toxic) 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.

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

European Waste Codes

07 06 04*: other organic solvents, washing liquids and mother liquors

Product name: ANTICORIT A 180

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: ANTICORIT A 180

National Regulations

Water Hazard Class (WGK): WGK 1: slightly water-endangering.

15.2 Chemical safety assessment: Not required. 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.

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: 18.05.2016

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.