

SAFETY DATA SHEET

acc.to ISO/DIS 11014 for USA

1 PRODUCT AND COMPANY IDENTIFICATION

1.1 Product identifier

Product name: ANTICORIT WOK 50

Other means of identification: For further information, please refer to section 9 of the SDS.

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

Fuchs Schmierstoffe GmbH
Friesenheimer Str. 19
68169 Mannheim

US Distributor

Fuchs Lubricants Co.
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Harvey, IL 60426

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1.4 US contact telephone :

708-333-8900

Emergency telephone:

800-255-3924

2 HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

The product has been classified and labelled as hazardous according to the legislation in force.

Health Hazards

Skin Corrosion/Irritation

Category 2

Serious Eye Damage/Eye Irritation

Category 1

Hazard summary

Physical Hazards:

No data available.

Product name: ANTICORIT WOK 50

2.2 Label Elements



Signal Words: Danger

Hazard Statement(s): H315: Causes skin irritation.
H318: Causes serious eye damage.

Precautionary Statements

Prevention: P262: Do not get in eyes, on skin, or on clothing.
P280: Wear protective gloves/protective clothing/eye protection/face protection.

Response: P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310: Immediately call a POISON CENTER/doctor.

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.

Unknown toxicity: Due to information available product does not contain any ingredients of unknown toxicity.

3 COMPOSITION / INFORMATION ON INGREDIENTS

General information: Mixture of mineral base oil, anionic and nonionic agents and corrosion preventing additives in combination with stabilizers based on glycol-fatty alcohols. This product is applied only as solution or emulsion in water.

Chemical name	Identifier	Concentration *	Notes
Na sulphonate	68608-26-4	10.00 - <20.00%	
Carboxylic acid salt	1424149-03-0	5.00 - <10.00%	
Oleic acid derivative	110-25-8	3.00 - <5.00%	
Barium alkyl sulphonate	93820-55-4	1.00 - <5.00%	
Octanoic acid	124-07-2	1.00 - <3.00%	
tert. Alkanol amine	100-37-8	1.00 - <3.00%	
Barium compounds	61790-48-5	0.10 - <1.00%	

* 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.

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Classification

Chemical name	Identifier	Classification
Na sulphonate	68608-26-4	Eye Irrit. 2;H319
Carboxylic acid salt	1424149-03-0	Eye Dam. 1;H318, Skin Irrit. 2;H315
Oleic acid derivative	110-25-8	Eye Dam. 1;H318, Aquatic Acute 1;H400, Acute Tox. 4;H332, Skin Irrit. 2;H315
Barium alkyl sulphonate	93820-55-4	Skin Sens. 1B;H317
Octanoic acid	124-07-2	Skin Corr. 1B;H314, Aquatic Chronic 3;H412
tert. Alkanol amine	100-37-8	Acute Tox. 3;H311, Acute Tox. 3;H331, Skin Corr. 1B;H314, Flam. Liq. 3;H226, Acute Tox. 4;H302, STOT SE 3;H335
Barium compounds	61790-48-5	Skin Sens. 1B;H317

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 EC 1272/2008."

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: Immediately flush with plenty of water for at least 15 minutes. If easy to do, remove contact lenses. Get medical attention.

Skin Contact: Immediately flush with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash contaminated clothing before reuse. Get medical attention.

Ingestion: Rinse mouth. Call a POISON CENTRE/doctor if you feel unwell.

4.2 Most important symptoms and effects, both acute and delayed: Risk of serious damage to eyes. Causes skin irritation.

4.3 Indication of any immediate medical attention and special treatment needed Hand over this safety data sheet to the physician with the special comment "watermiscible cutting oil". Get medical attention if symptoms occur.

SECTION 5: Firefighting measures

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

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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: 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: Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Keep unauthorized personnel away. In case of spills, beware of slippery floors and surfaces.

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.

Dike for later disposal. Prevent entry into waterways, sewer, basements or confined areas. Stop the flow of material, if this is without risk.

SECTION 7: Handling and storage:

7.1 Precautions for safe handling: Avoid contact with skin. Wash hands thoroughly after handling. Do not eat, drink or smoke when working with the product. Take usual precautions when handling mineral oil products or chemical products. Prevent formation of aerosols. Observe good industrial hygiene practices. Provide adequate ventilation.

7.2 Conditions for safe storage, including any incompatibilities: Local regulations concerning handling and storage of waterpolluting products have to be followed. Store above freezing.

7.3 Specific end use(s): Not applicable

Product name: ANTICORIT WOK 50

8 EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1.Exposure Limits

Chemical name	Type	Exposure Limit Values	Source
Base oil, naphthenic	PEL	500 ppm 2,000 mg/m ³	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
Base oil, naphthenic - Mist.	PEL	5 mg/m ³	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
Base oil, naphthenic	TWA	400 ppm 1,600 mg/m ³	US. OSHA Table Z-1-A (29 CFR 1910.1000) (1989)
Base oil, naphthenic - Mist.	TWA	5 mg/m ³	US. OSHA Table Z-1-A (29 CFR 1910.1000) (1989)
Base oil, naphthenic - Inhalable fraction.	TWA	5 mg/m ³	US. ACGIH Threshold Limit Values (03 2014)
Barium alkyl sulphonate - as Ba	PEL	0.5 mg/m ³	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
Barium alkyl sulphonate - as Ba	TWA	0.5 mg/m ³	US. OSHA Table Z-1-A (29 CFR 1910.1000) (1989)
Barium alkyl sulphonate - as Ba	TWA	0.5 mg/m ³	US. ACGIH Threshold Limit Values (02 2012)
tert. Alkanol amine	PEL	10 ppm 50 mg/m ³	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
tert. Alkanol amine	TWA	10 ppm 50 mg/m ³	US. OSHA Table Z-1-A (29 CFR 1910.1000) (1989)
tert. Alkanol amine	TWA	2 ppm	US. ACGIH Threshold Limit Values (02 2012)
Barium compounds - as Ba	PEL	0.5 mg/m ³	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
Barium compounds - as Ba	TWA	0.5 mg/m ³	US. OSHA Table Z-1-A (29 CFR 1910.1000) (1989)
Barium compounds - as Ba	TWA	0.5 mg/m ³	US. ACGIH Threshold Limit Values (02 2012)

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.

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Eye/face protection:	Safety glasses (EN 166) recommended during refilling. Avoid contact with eyes. Wear closed protection glasses.
Skin protection	
Hand Protection:	<p>Material: Nitrile-butadiene rubber (NBR). Min. Breakthrough time: ≥ 480 min Recommended thickness of the material: ≥ 0.38 mm</p> <p>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.</p>
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:	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.

9 PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Physical state:	liquid
Form:	liquid
Color:	Dark brown
Odor:	Characteristic
Odor Threshold:	Not applicable for mixtures
pH:	8.3 (100 g/l)
Freezing point:	Not applicable for mixtures
Boiling Point:	Value not relevant for classification
Flash Point:	200 °C
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:	0.94 g/ml (15.00 °C)
Solubility(ies)	

Product name: ANTICORIT WOK 50

Solubility in Water:	Soluble
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:	180 mm ² /s (40 °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 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.

11 TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Inhalation:	No data available.
Ingestion:	No data available.
Skin Contact:	Causes skin irritation.
Eye contact:	Causes serious eye damage.

Acute toxicity

Oral

Product:	ATEmix: 132,000 mg/kg
Specified substance(s)	
Oleic acid derivative	LD 50 (Rat): 9,200 mg/kg
Octanoic acid	LD 50 (Rat): 10,080 mg/kg
tert. Alkanol amine	LD 50 (Rat): 1,320 mg/kg

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Dermal

Product:

ATEmix: 88,500 mg/kg

Specified substance(s)

tert. Alkanol amine

LD 50 (Guinea Pig): 885 mg/kg

Inhalation

Product:

ATEmix: 450 mg/l

Vapour

ATEmix: 45.67 mg/l

Dusts, mists and fumes

Specified substance(s)

Oleic acid derivative

LC 50 (Rat, 4 h): 1.37 mg/l

Dusts, mists and fumes

tert. Alkanol amine

LC 50 (Rat, 4 h): 4.5 mg/l

Vapour

Skin Corrosion/Irritation:

Product:

Based on available data, the classification criteria are met.

Specified substance(s)

Carboxylic acid salt

OECD 404 (Rabbit, 4 h): Irritating.

Oleic acid derivative

OECD 404 (Rabbit): Irritating.

Serious Eye Damage/Eye Irritation:

Product:

Based on available data, the classification criteria are met.

Specified substance(s)

Carboxylic acid salt

OECD 405 (Rabbit, 14 d): Risk of serious damage to eyes.

Respiratory or Skin Sensitization:

Product:

Skin sensitizer: Based on available data, the classification criteria are not met.

Respiratory sensitizer: Based on available data, the classification criteria are not met.

Specified substance(s)

Carboxylic acid salt

No sensitizing effect (guinea pig); OECD 406

Oleic acid derivative

No sensitizing effect (guinea pig); OECD 406

Octanoic acid

No sensitizing effect (guinea pig); OECD 406

tert. Alkanol amine

No sensitizing effect (guinea pig); OECD 406

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.

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IARC: IARC Monographs on the Evaluation of Carcinogenic Risks to Humans:

No carcinogenic components identified

NTP: US. National Toxicology Program (NTP) Report on Carcinogens:

No carcinogenic components identified

OSHAS: US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050):

No carcinogenic components identified

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

12 ECOLOGICAL INFORMATION

12.1 Toxicity

Acute toxicity

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

Fish

Specified substance(s)

Carboxylic acid salt LC 50 (Fish, 96 h): 58 mg/l (OECD 203)

Oleic acid derivative LC 50 (Fish, 96 h): 3.2 - 4.6 mg/l

Octanoic acid LC 50 (Fish, 96 h): 22 mg/l

tert. Alkanol amine LC 50 (Fish, 96 h): 147 mg/l

Aquatic Invertebrates

Specified substance(s)

Carboxylic acid salt EC 50 (Water Flea, 48 h): 11.8 mg/l (OECD 202)

Oleic acid derivative EC 50 (Water Flea, 48 h): 0.53 mg/l

tert. Alkanol amine EC 50 (Water Flea, 48 h): 165 mg/l

Chronic ToxicityProduct: Based on available data, the classification criteria are not met.

Fish

Specified substance(s)

Octanoic acid NOEC (Fish, 28 d): 6.4 mg/l

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Aquatic Invertebrates

Specified substance(s)

Octanoic acid NOEC (Water Flea, 21 d): 0.2 mg/l (OECD 211)

Toxicity to Aquatic Plants

Specified substance(s)

Carboxylic acid salt EC 50 (Alga, 72 h): 159 mg/l (OECD 201)

Oleic acid derivative EC 50 (Alga, 72 h): 5.1 mg/l

tert. Alkanol amine EC 50 (Alga, 72 h): 44 mg/l

12.2 Persistence and Degradability

Biodegradation

Product: Not applicable for mixtures

Specified substance(s)

Oleic acid derivative 85 % (28 d, OECD 301B)

Octanoic acid > 72 % (30 d, OECD 301D) Readily 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.

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.

14 TRANSPORT INFORMATION

DOT

Not regulated.

IMDG - International Maritime Dangerous Goods Code

Not regulated.

IATA

Not regulated.

Product name: ANTICORIT WOK 50

15 REGULATORY INFORMATION

US Federal Regulations

US State Regulations

Inventory Status

TSCA	On or in compliance with the inventory
DSL	On or in compliance with the inventory

16 OTHER INFORMATION

Revision Information: Vertical lines in the margin indicate an amendment.

Wording of the H-statements in section 2 and 3

H226	Flammable liquid and vapour.
H302	Harmful if swallowed.
H311	Toxic in contact with skin.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H331	Toxic if inhaled.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H400	Very toxic to aquatic life.
H412	Harmful to aquatic life with long lasting effects.

Revision Date: 06.03.2018

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.