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SAFETY DATA SHEET

acc.to ISO/DIS 11014 for USA

PRODUCT AND COMPANY IDENTIFICATION

1.1 Product identifier Product name: ANTICORIT PL 3802 39 S

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 / Supplier	FUCHS LUBRICANTS GERMANY GmbH
	Friesenheimer Str. 19
	68169 Mannheim

Telephone:	+49 621 3701-0 (ZENTRALE)
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Contact for request of safety data sheets

E-mail:	Automotive lubricants	CS.Services-FLG@fuchs.com
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Telephone:	+49 621 3701-0 (ZENTRALE)	

Informing department for safety data sheets

E-mail:	produktsicherheit-FLG@fuchs.com
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

Toxic to reproduction	Category 2

Environmental Hazards

Chronic hazards to the aquatic environment Category 3



Product name: ANTICORIT PL 3802 39 S	
Hazard summary Physical Hazards:	No data available.
2.2 Label Elements	
Signal Words:	Warning
Hazard Statement(s):	H361: Suspected of damaging fertility or the unborn child. H412: Harmful to aquatic life with long lasting effects.
Precautionary Statemen	nts
Prevention:	P201: Obtain special instructions before use. P273: Avoid release to the environment.
Response:	P308+P313: IF exposed or concerned: 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.
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

3.2 Mixtures

General information:

Mixture containing severely refined base oils and additives.

Chemical name	Identifier	Concentration *	Notes
Base oil, naphthenic	64742-53-6	20.00 - <50.00%	
Sodium sulfonate	68608-26-4	1.00 - <5.00%	
phenolic antioxidant	128-37-0	0.25 - <1.00%	
Calcium Sulfonate	68584-23-6	0.10 - <1.00%	
Ca Sulfonate	70024-69-0	0.10 - <1.00%	
Amine aromatic , alkylated	68411-46-1	0.10 - <1.00%	





Product name: ANTICORIT PL 3802 39 S

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	Calcium Sulfonate	61789-86-4	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.

Classification

Chemical name	Identifier	Classification
Base oil, naphthenic	64742-53-6	Asp. Tox. 1;H304
Sodium sulfonate	68608-26-4	Eye Irrit. 2;H319
phenolic antioxidant	128-37-0	Aquatic Acute 1;H400, Aquatic Chronic 1;H410; M-Factor (aquatic acute): 1; M-Factor (aquatic chronic): 1
Calcium Sulfonate	68584-23-6	Skin Sens. 1B;H317
Ca Sulfonate	70024-69-0	Skin Sens. 1B;H317
Amine aromatic , alkylated	68411-46-1	Repr. 2;H361f, Aquatic Chronic 3;H412
Calcium Sulfonate	61789-86-4	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 mea	isures
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 soap and water.
Ingestion:	Rinse mouth thoroughly.
4.2 Most important symptoms and effects, both acute and delayed:	May cause skin and eye irritation.
4.3 Indication of any immediat medical attention and special treatment needed	e Get medical attention if symptoms occur.

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.



Product name: ANTICORIT PL 3802 39 S

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 inaccordance 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 me	easures
6.1 Personal precautions, protective equipment and emergency procedures:	In case of spills, beware of slippery floors and surfaces.
6.2 Environmental Precautions:	Avoid release to the environment. Prevent further leakage or spillage if safe to do so. Prevent from spreading (e.g. by binding or oil barriers). Environmental manager must be informed of all major spillages. 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:	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:	Local regulations concerning handling and storage of waterpolluting products have to be followed. Do not heat up to temperatures close to the flash point.
7.3 Specific end use(s):	Not applicable

8 EXPOSURE CONTROLS / PERSONAL PROTECTION



Product name: ANTICORIT PL 3802 39 S

8.1.Exposure	e Limits
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Chemical name	Туре	Exposure Limit Values	Source
Base oil - Mist.	PEL	5 mg/m	3 US. OSHA Table Z-1 Limits for Air
			Contaminants (29 CFR 1910.1000),
			as amended (02 2006)
Base oil - Mist.	TWA	5 mg/m	3 US. OSHA Table Z-1-A (29 CFR
			1910.1000), as amended (1989)
Base oil - Inhalable fraction.	TWA	5 ma/m	3 US. ACGIH Threshold Limit Values,
			as amended (03 2014)
Base oil, naphthenic	PEL	500 ppm 2,000 mg/m	3 US. OSHA Table Z-1 Limits for Air
		2,000 mg/m	Contaminants (29 CFR 1910.1000),
			as amended (02 2006)
Dese sil nenkthenis Mist	PEL	5	3 US. OSHA Table Z-1 Limits for Air
Base oil, naphthenic - Mist.	PEL	5 mg/m	
			Contaminants (29 CFR 1910.1000),
			as amended (02 2006)
Base oil, naphthenic	TWA	400 ppm 1,600 mg/m	3 US. OSHA Table Z-1-A (29 CFR
			1910.1000), as amended (1989)
Base oil, naphthenic - Mist.	TWA	5 mg/m	3 US. OSHA Table Z-1-A (29 CFR
			1910.1000), as amended (1989)
Base oil, naphthenic - Inhalable	TWA	5 mg/m	3 US. ACGIH Threshold Limit Values,
fraction.			as amended (03 2014)
Base oil, paraffinic	PEL	500 ppm 2,000 mg/m	3 US. OSHA Table Z-1 Limits for Air
		,	Contaminants (29 CFR 1910.1000),
			as amended (02 2006)
Base oil, paraffinic - Mist.	PEL	5 mg/m	3 US. OSHA Table Z-1 Limits for Air
		5 mg/m	Contaminants (29 CFR 1910.1000),
			as amended (02 2006)
Paga ail paraffinia	TWA	400 ppm 1,600 mg/m	3 US. OSHA Table Z-1-A (29 CFR
Base oil, paraffinic	IVVA	400 ppm 1,600 mg/m	
	77.4/4	5	1910.1000), as amended (1989)
Base oil, paraffinic - Mist.	TWA	5 mg/m	³ US. OSHA Table Z-1-A (29 CFR
			1910.1000), as amended (1989)
Base oil, paraffinic - Inhalable fraction.	TWA	5 mg/m	3 US. ACGIH Threshold Limit Values,
			as amended (03 2014)
base oil - Inhalable fraction.	TWA	5 mg/m	3 US. ACGIH Threshold Limit Values,
			as amended (03 2014)
base oil	PEL	500 ppm 2,000 mg/m	3 US. OSHA Table Z-1 Limits for Air
			Contaminants (29 CFR 1910.1000),
			as amended (02 2006)
base oil - Mist.	PEL	5 mg/m	3 US. OSHA Table Z-1 Limits for Air
			Contaminants (29 CFR 1910.1000),
			as amended (02 2006)
base oil	TWA	400 ppm 1,600 mg/m	3 US. OSHA Table Z-1-A (29 CFR
			1910.1000), as amended (1989)
base oil - Mist.	TWA	5 mg/m	3 US. OSHA Table Z-1-A (29 CFR
		5 mg/m	1910.1000), as amended (1989)
Base oil, paraffinic	PEL	500 ppm 2,000 mg/m	
		500 ppm 2,000 mg/m	Contaminants (29 CFR 1910.1000),
			as amended (02 2006)
Ross oil poroffinia Mist		E	
Base oil, paraffinic - Mist.	PEL	b mg/m	3 US. OSHA Table Z-1 Limits for Air
			Contaminants (29 CFR 1910.1000),
		400	as amended (02 2006)
Base oil, paraffinic	TWA	400 ppm 1,600 mg/m	3 US. OSHA Table Z-1-A (29 CFR
	ļ		1910.1000), as amended (1989)
Base oil, paraffinic - Mist.	TWA	5 mg/m	3 US. OSHA Table Z-1-A (29 CFR
			1910.1000), as amended (1989)
Base oil, paraffinic - Inhalable fraction.	TWA	5 mg/m	3 US. ACGIH Threshold Limit Values,





Product name: ANTICORIT PL 3802 39 S

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	T14/A	as amended (02 2012)
phenolic antioxidant	TWA	10 mg/m3 US. OSHA Table Z-1-A (29 CFR 1910.1000), as amended (1989)
phenolic antioxidant - Inhalable fraction and vapor.	TWA	2 mg/m3 US. ACGIH Threshold Limit Values, as amended (02 2012)
8.2.Exposure controls		
Appropriate engineering	Provide ade	quate ventilation. Ventilation rates should be matched to
controls:		f applicable, use process enclosures, local exhaust ventilation,
		ineering controls to maintain airborne levels below
		ed exposure limits. If exposure limits have not been
	established,	maintain airborne levels to an acceptable level.
Individual protection measures	s, such as p	ersonal protective equipment
General information:		s before breaks and after work. Use personal protective
		as required. Personal protection equipment should be chosen
		the CEN standards and in discussion with the supplier of the
		otective equipment. The usual precautionary measures should to inhandling the chemicals or the mineral oil products.
Eye/face protection:	Avoid conta	ct with skin and eyes. Goggles/face shield are recommended. If
	risk of splas	hing, wear safety goggles or face shield.
Skin protection Hand Protection:	Min. Breakth	rile butyl rubber (NBR). nrough time: >= 480 min ded thickness of the material: >= 0.38 mm
	recommend preventive s safety direct	erm and repeated skin contact. Suitable gloves can be ed by the glove supplier. Use skin protection cream for skin protection. Protective gloves, where permitted in acc. to tions. The exact break through time has to be found out by the er of the protective gloves and has to be observed.
Other:		v cleaning cloths impregnated with the product in trouser ear suitable protective clothing.
Respiratory Protection:	Ensure good vapour/ aero	d ventilation/exhaustion at the workplace. Avoid breathing osol.
Thermal hazards:	No data ava	ilable.
Hygiene measures:	handling the wash work of	erve good personal hygiene measures, such as washing after material and before eating, drinking, and/or smoking. Routinely clothing to remove contaminants. Discard contaminated at cannot be cleaned.
Environmental Controls:	No data ava	ilable.

9 PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties Appearance



Product name: ANTICORIT PL 3802 39 S

Physical state:	liquid
Form:	liquid
Color:	Brown
Odor:	Characteristic
Odor Threshold:	Not applicable for mixtures
pH:	substance/mixture is non-soluble (in water)
Freezing point:	Not applicable for mixtures
Boiling Point:	Value not relevant for classification
Flash Point:	180 °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
Relative vapor density:	Not applicable for mixtures
Density:	0.89 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:	55 mm2/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 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.



Product name: ANTICORIT PL 3802 39 S

Ingestion:	No data available.
Skin Contact:	No data available.
Eye contact:	No data available.
Acute toxicity	
Oral Product:	
Specified substance(s)	Not classified for acute toxicity based on available data.
phenolic antioxidant	LD 50 (Rat): > 2,930 mg/kg (OECD 401)
Calcium Sulfonate	LD 50 (Rat): > 5,001 mg/kg
Ca Sulfonate	LD 50 (Rat): > 5,000 mg/kg (OECD 401)
Amine aromatic , alkylated	LD 50 (Rat): > 5,000 mg/kg (OECD 401)
Calcium Sulfonate	LD 50 (Rat): > 16,000 mg/kg
Dermal Product:	
Specified substance(s)	Not classified for acute toxicity based on available data.
phenolic antioxidant	LD 50 (Rat): > 5,000 mg/kg (OECD 402)
Calcium Sulfonate	LD 50 (Rabbit): > 5,001 mg/kg
Ca Sulfonate	LD 50 (Rabbit): > 5,000 mg/kg (OECD 402)
Calcium Sulfonate	LD 50 (Rat): > 5,001 mg/kg
Inhalation Product:	
	Not classified for acute toxicity based on available data.
Specified substance(s) Base oil, naphthenic	LC 50 (Rat, 4 h): > 5.53 mg/l Dust and mist
Skin Corrosion/Irritation: Product:	Based on available data, the classification criteria are not met.
Specified substance(s) Calcium Sulfonate	OECD 404 (Rabbit): Not irritant.
Ca Sulfonate	OECD 404 (Rabbit): Not irritant.
Calcium Sulfonate	OECD 404 (Rabbit): Not irritant.



Product name: ANTICORIT PL 3802 39 S

Serious Eye Damage/Eye Irı Product:	ritation: Based on available data, the classification criteria are not met.		
Specified substance(s) Calcium Sulfonate	OECD 405 (Rabbit): Not irritant.		
Amine aromatic , alkylated	OECD 405 (Rabbit): Not irritant.		
Respiratory or Skin Sensitiz Product:	zation: 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) phenolic antioxidant	No sensitizing effect (guinea pig); OECD 406		
Calcium Sulfonate	May cause sensitization by skin contact.		
Ca Sulfonate	May cause sensitization by skin contact.		
Amine aromatic , alkylated	No sensitizing effect (guinea pig); OECD 406		
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.		
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			
OSHASP: 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 met.		
Specific Target Organ Toxic Product:	ity - Single Exposure Based on available data, the classification criteria are not met.		
Specific Target Organ Toxic Product:	ity - Repeated Exposure Based on available data, the classification criteria are not met.		
Aspiration Hazard			
10 Date: 20 10 2012			





Product name: ANTICORIT PL 3802 39 S		
	Product:	Based on available data, the classification criteria are not met.
12 ECOLOGICAL INFORMATION		N
	General information:	Not applicable
12.	1 Toxicity	
	Acute toxicity Product:	Based on available data, the classification criteria are not met.Based on available data, the classification criteria are not met.
	Fish Specified substance(s) Base oil, naphthenic	LC 50 (Fish, 96 h): > 101 mg/l
	Calcium Sulfonate	LL 50 (Cyprinodon variegatus, 96 h): > 10,000 mg/l (OECD 203)
	Ca Sulfonate	LC 50 (Fish, 96 h): > 1,001 mg/l (OECD 203)
	Amine aromatic , alkylated	LC 50 (Fish, 96 h): > 100 mg/l (OECD 203)
	Calcium Sulfonate	LC 50 (Fish, 96 h): > 10,000 mg/l (OECD 203)
	Aquatic Invertebrates Specified substance(s) phenolic antioxidant	EC 50 (Water Flea, 48 h): 0.61 mg/l (OECD 202)
	Calcium Sulfonate	EL50 (Daphnia magna, 48 h): > 1,000 mg/l
	Ca Sulfonate	EC 50 (Water Flea, 48 h): > 1,001 mg/l
	Amine aromatic , alkylated	EC 50 (Daphnia magna): 51 mg/l (OECD 202)
	Calcium Sulfonate	EC 50 (Water Flea, 48 h): > 100 mg/l (OECD 202)
	Chronic ToxicityProduct:	Based on available data, the classification criteria are met.
	Aquatic Invertebrates Specified substance(s) phenolic antioxidant	NOEC (Water Flea, 21 d): > 0.39 mg/l
	Toxicity to Aquatic Plants Specified substance(s) Calcium Sulfonate	EL50 (Algae (Pseudokirchneriella subcapitata), 96 h): > 1,000 mg/l
	Ca Sulfonate	EC 50 (Alga, 72 h): > 1,000 mg/l
	Amine aromatic , alkylated	EC 50 (72 h): > 100 mg/l (OECD 201)

12.2 Persistence and Degradability



Product name: ANTICORIT PL 3802 39 S

Biodegradation	
Product: Specified substance(s)	Not applicable for mixtures
phenolic antioxidant	30 % (OECD 302C) Not readily degradable.
Amine aromatic , alkylated	Not readily degradable.
Calcium Sulfonate	8.6 % (28 d) Not easily biodegradable
12.3 Bioaccumulative potential Product: Specified substance(s) phenolic antioxidant	Not applicable for mixtures May be accumulated in organism
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:	Harmful to aquatic life with long lasting effects.
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.
14 TRANSPORT INFORMATION	N
DOT	

DOT

Not regulated.

IMDG - International Maritime Dangerous Goods Code Not regulated.

ΙΑΤΑ

Not regulated.

15 REGULATORY INFORMATION

US Federal Regulations

US State Regulations

Inventory Status

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



Product name: ANTICORIT PL 3802 39 S

16 OTHER INFORMATION

Revision Information:

Vertical lines in the margin indicate an amendment.

Wording of the H-statements in section 2 and 3

ruing of the H	-Statements in Section 2 and 5
H304	May be fatal if swallowed and enters airways.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H361	Suspected of damaging fertility or the unborn child.
H361f	Suspected of damaging fertility.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

Revision Date: Disclaimer:

20.02.2023

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.