Safety Data Sheet

according to Regulation (EC) No 1907/2006

SRS Wiolin ATF III MV

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

1.1. Product identifier

SRS Wiolin ATF III MV

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

Use of the substance/mixture

Industrial uses.

Uses advised against

No information available.

1.3. Details of the supplier of the safety data sheet

Company name:	SRS Schmierstoff Vertrieb GmbH
Street:	Neuenkirchener Straße 8
Place:	D-48499 Salzbergen
Telephone:	05976 - 945-0
Responsible Department:	Abt. Produktsicherheit: info.reach@srs-oil.de

1.4. Emergency telephone number:

+49 551 19240, GIZ-Nord, Göttingen, Germany

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Regulation (EC) No. 1272/2008

Hazard categories:
Hazardous to the aquatic environment: Aquatic Chronic 3
Hazard Statements:
Harmful to aquatic life with long lasting effects.

2.2. Label elements

Regulation (EC) No. 1272/2008

Hazard statements

H412	Harmful to aquatic life with long lasting effects.

Precautionary statements

P273	Avoid release to the environment.
P501	Dispose of contents/container to local/regional/national/international regulations.

Special labelling of certain mixtures

EUH208	Contains Acetamide, 2-hydroxy-, N,N-dicoco alkyl derivs., 1,2-Propanediol, 3-amino-, N,N-dicoco alkyl derivs., 1-(tert-dodecylthio)propan-2-ol, Benzene, polypropene derivatives, sulfonated, calcium salts, C14-18 alpha-olefin epoxide, reaction products with boric acid. May produce an allergic reaction.

2.3. Other hazards

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.
This mixture contains no substances of very high concern (SVHC) (>0,1%) which are included in the Candidate List according to Article 59 of REACH.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Hazardous components

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	Classification according to Regulation (EC) No. 1272/2008 [CLP]			
64742-55-8	Baseoil - unspecified, Distillates (petroleum), hydrotreated light paraffinic			50 - < 55 %
	265-158-7	649-468-00-3	01-2119487077-29	
	Asp. Tox. 1; H304			
398141-87-2	Thiophene, tetrahydro-, 1,1-dioxide, 3-(C9-11-isoalkyloxy) derivs., C10-rich			1 - < 5 %
	800-172-4		01-2119969520-35	
	Aquatic Chronic 2; H411			
	Acetamide, 2-hydroxy-, N,N-dicoco alkyl derivs.			< 1 %
	471-920-1		01-0000019770-68	
	Skin Sens. 1B; H317			
	1,2-Propanediol, 3-amino-, N,N-dicoco alkyl derivs.			< 1 %
	482-000-4		01-0000020142-86	
	Skin Sens. 1B, Aquatic Chronic 3; H317 H412			
67124-09-8	1-(tert-dodecylthio)propan-2-ol			< 1 %
	266-582-5		01-2119953277-30	
	Skin Sens. 1B, Aquatic Acute 1, Aquatic Chronic 1; H317 H400 H410			
	Benzene, polypropene derivatives, sulfonated, calcium salts			< 1 %
	Skin Sens. 1B; H317			
	C14-18 alpha-olefin epoxide, reaction products with boric acid			< 1 %
	939-580-3		01-2119976364-28	
	Skin Sens. 1B; H317			
61791-44-4	Ethanol, 2,2'-iminobis-, N-tallow alkyl derivs.			< 0.1 %
	263-177-5			
	Met. Corr. 1, Acute Tox. 4, Skin Corr. 1C, Eye Dam. 1, Aquatic Acute 1 (M-Factor = 10), Aquatic Chronic 1 (M-Factor = 1); H290 H302 H314 H318 H400 H410			

Full text of H and EUH statements: see section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

After inhalation

In case of accident by inhalation: remove casualty to fresh air and keep at rest. In case of allergic symptoms, especially in the breathing area, seek medical advice immediately.

After contact with skin

After contact with skin, wash immediately with plenty of water and soap. Take off immediately all contaminated clothing. In case of skin irritation, consult a physician.

After contact with eyes

Rinse immediately carefully and thoroughly with eye-bath or water. In case of troubles or persistent symptoms, consult an ophthalmologist.

After ingestion

Do NOT induce vomiting. Rinse mouth thoroughly with water. Let water be drunken in little sips (dilution effect). Never give anything by mouth to an unconscious person or a person with cramps. When in doubt or if symptoms are observed, get medical advice.

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

If swallowed or in the event of vomiting, risk of entering the lungs.

4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Sand. Foam. Carbon dioxide (CO2). Extinguishing powder. In case of major fire and large quantities: Water spray jet. Water mist.

Unsuitable extinguishing media

High power water jet

5.2. Special hazards arising from the substance or mixture

Burning produces heavy smoke.
Can be released in case of fire: Carbon monoxide Carbon dioxide (CO2) Sulphur dioxide (SO2) Nitrogen oxides (NOx)

5.3. Advice for firefighters

In case of fire and/or explosion do not breathe fumes. In case of fire: Wear self-contained breathing apparatus.

Additional information

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.
Co-ordinate fire-fighting measures to the fire surroundings.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Wear personal protection equipment (refer to section 8).
Ventilate affected area.
Special danger of slipping by leaking/spilling product.

6.2. Environmental precautions

Do not allow to enter into surface water or drains. Prevent spread over a wide area (e.g. by containment or oil barriers). Do not allow to enter into soil/subsoil. If required, notify relevant authorities according to all applicable regulations.

6.3. Methods and material for containment and cleaning up

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents).
Treat the recovered material as prescribed in the section on waste disposal.
Clean contaminated articles and floor according to the environmental legislation.

6.4. Reference to other sections

No information available.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

Wear suitable protective clothing. (See section 8.)
Avoid formation of oil dust.

Advice on protection against fire and explosion

Usual measures for fire prevention. Keep away from sources of ignition - No smoking.

Fire class B

Further information on handling

Do not breathe vapour/aerosol.
Avoid contact with eyes and skin.
Advices on general occupational hygiene: See section 8.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep container tightly closed in a cool, well-ventilated place. Only use containers specifically approved for the substance/product.

Advice on storage compatibility

Do not store together with: Gas. Explosives. Radioactive substances. Infectious substances

Further information on storage conditions

Temperature control required. Protect from light. Keep container tightly closed. Do not allow contact with air.

7.3. Specific end use(s)

refer to chapter 1.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

DNEL/DMEL values

CAS No	Substance			
DNEL type		Exposure route	Effect	Value
398141-87-2	Thiophene, tetrahydro-, 1,1-dioxide, 3-(C9-11-isoalkyloxy) derivs., C10-rich			
Worker DNEL, long-term		inhalation	systemic	3.1 mg/m³
Worker DNEL, long-term		dermal	systemic	44 mg/kg bw/day
Consumer DNEL, long-term		inhalation	systemic	0.8 mg/m³
Consumer DNEL, long-term		dermal	systemic	22 mg/kg bw/day
Consumer DNEL, long-term		oral	systemic	0.4 mg/kg bw/day
	Acetamide, 2-hydroxy-, N,N-dicoco alkyl derivs.			
Worker DNEL, acute		dermal	local	0.417 mg/cm²
67124-09-8	1-(tert-dodecylthio)propan-2-ol			
Worker DNEL, long-term		inhalation	systemic	11.8 mg/m³
Worker DNEL, long-term		dermal	systemic	3.34 mg/kg bw/day
Worker DNEL, long-term		dermal	local	0.215 mg/cm²
	C14-18 alpha-olefin epoxide, reaction products with boric acid			
Worker DNEL, long-term		inhalation	systemic	5.88 mg/m³
Worker DNEL, long-term		dermal	systemic	16.7 mg/kg bw/day

PNEC values

CAS No	Substance	
Environmental compartment		Value
64742-55-8	Baseoil - unspecified, Distillates (petroleum), hydrotreated light paraffinic	
Secondary poisoning		9.33 mg/kg
398141-87-2	Thiophene, tetrahydro-, 1,1-dioxide, 3-(C9-11-isoalkyloxy) derivs., C10-rich	
Freshwater		0.002 mg/l
Marine water		0.0002 mg/l
Freshwater sediment		0.435 mg/kg
Marine sediment		0.435 mg/kg
Secondary poisoning		6.66 mg/kg
Micro-organisms in sewage treatment plants (STP)		100 mg/l
Soil		0.086 mg/kg
	Acetamide, 2-hydroxy-, N,N-dicoco alkyl derivs.	
Freshwater		0.4 mg/l
Marine water		0.04 mg/l
Freshwater sediment		17 100 mg/kg
Marine sediment		1 701 mg/kg
Micro-organisms in sewage treatment plants (STP)		100 mg/l
Soil		3 416 mg/kg
67124-09-8	1-(tert-dodecylthio)propan-2-ol	
Freshwater		0.006 mg/l
Freshwater (intermittent releases)		0.006 mg/l
Marine water		0.001 mg/l
Freshwater sediment		8.28 mg/kg
Marine sediment		0.828 mg/kg
Secondary poisoning		100 mg/l
Soil		33.33 mg/kg
	C14-18 alpha-olefin epoxide, reaction products with boric acid	
Freshwater		0.2 mg/l
Freshwater (intermittent releases)		1 mg/l
Marine water		0.02 mg/l
Marine water (intermittent releases)		855.6 mg/kg
Freshwater sediment		8556 mg/kg
Secondary poisoning		100 mg/l
Soil		1 706.3 mg/kg

Additional advice on limit values

Air limit values::
Possibility of exposure to Aerosol
Limit value = 5 mg/ m3 - Source: ACGIH

8.2. Exposure controls

Appropriate engineering controls

Provide adequate ventilation.

Protective and hygiene measures

Clean skin thoroughly after working.
Do not put any product-impregnated cleaning rags into your trouser pockets.
Contaminated work clothing should not be allowed out of the workplace.
Wash contaminated clothing before reuse.

Eye/face protection

Safety goggles with side protection. In case of increased risk add protective face shield. DIN EN 166

Hand protection

Use safety gloves of following materials: NBR (nitrile) / neopren / viton (permeationslevel 5 - 6), Cat. II according to norm EN 347/EN 388.
The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances.
For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

Skin protection

Oil-resistant and hardly inflammable protective clothing.

Respiratory protection

With correct and proper use, and under normal conditions, breathing protection is not required.
Respiratory protection necessary at:
-aerosol or mist formation
-exceeding exposure limit values
Suitable respiratory protection apparatus: Respiratory equipment in case of nebulosity or aerosol: Use a mask with a filter type A2, A2/P2 or ABEK.
The filter class must be suitable for the maximum contaminant concentration (gas/vapour/aerosol/particulates) that may arise when handling the product. If the concentration is exceeded, self-contained breathing apparatus must be used.

Environmental exposure controls

No information available.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state:	liquid
Colour:	clear , red
Odour:	characteristic

		Test method
pH-Value:	No information available.	
Changes in the physical state		
Melting point:	No information available.	
Initial boiling point and boiling range:	No information available.	
Sublimation point:	No information available.	
Softening point:	No information available.	
Pour point:	-54 °C	
Flash point:	210 °C	COC

Sustaining combustion:	No data available	

Flammability

Solid:	No information available.	
Gas:	No information available.	

Explosive properties

none

Lower explosion limits:	No information available.	
Upper explosion limits:	No information available.	
Ignition temperature:	No information available.	

Auto-ignition temperature

Solid:	No information available.	
Gas:	No information available.	
Decomposition temperature:	No information available.	

Oxidizing properties

none

Vapour pressure: (at 20 °C)	No information available.	
Vapour pressure: (at 50 °C)	No information available.	
Density (at 15 °C):	0,851 g/cm³	DIN 51757
Bulk density:	No information available.	
Water solubility:	No information available.	

Solubility in other solvents

No information available.

Partition coefficient:	No information available.	
Viscosity / dynamic:	No information available.	
Viscosity / kinematic: (at 40 °C)	36 mm²/s	DIN EN ISO 3104
Flow time:	No information available.	
Vapour density:	No information available.	
Evaporation rate:	No information available.	
Solvent separation test:	No information available.	
Solvent content:	No information available.	

9.2. Other information

Solid content:	No information available.	

SECTION 10: Stability and reactivity

10.1. Reactivity

No information available.

10.2. Chemical stability

Stable at ambient temperature.

10.3. Possibility of hazardous reactions

No hazardous reactions known.

10.4. Conditions to avoid

No information available.

10.5. Incompatible materials

Oxidising agent, strong

10.6. Hazardous decomposition products

No hazardous decomposition products known.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Toxicocinetics, metabolism and distribution

No information available.

Acute toxicity

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

CAS No	Chemical name				
	Exposure route	Dose		Species	Source
64742-55-8	Baseoil - unspecified, Distillates (petroleum), hydrotreated light paraffinic				
	oral	LD50	> 5000 mg/kg	Rat	ECHA Dossier
	dermal	LD50	> 2000 mg/kg	Rabbit	ECHA Dossier
	inhalative (4 h) aerosol	LC50	> 5,53 mg/l	Rat	ECHA Dossier
398141-87-2	Thiophene, tetrahydro-, 1,1-dioxide, 3-(C9-11-isoalkyloxy) derivs., C10-rich				
	oral	LD50	>5000 mg/kg	Rat	ECHA Dossier
	dermal	LD50	>2000 mg/kg	Rabbit.	ECHA Dossier
	Acetamide, 2-hydroxy-, N,N-dicoco alkyl derivs.				
	oral	LD50	>2000 mg/kg	Rat	ECHA Dossier
	dermal	LD50	>2000 mg/kg	Rabbit	ECHA Dossier
	1,2-Propanediol, 3-amino-, N,N-dicoco alkyl derivs.				
	oral	LD50	>2500 mg/kg	Rat	ECHA Dossier
	dermal	LD50	>2000 mg/kg	Rabbit	ECHA Dossier
67124-09-8	1-(tert-dodecylthio)propan-2-ol				
	oral	LD50	>5000 mg/kg	Rat	ECHA Dossier
	dermal	LD50	>2000 mg/kg	Rabbit	ECHA Dossier
	C14-18 alpha-olefin epoxide, reaction products with boric acid				
	oral	LD50	>16000 mg/kg	Rat	ECHA Dossier
	dermal	LD50	>2000 mg/kg	Rabbit	ECHA Dossier
61791-44-4	Ethanol, 2,2'-iminobis-, N-tallow alkyl derivs.				
	oral	ATE	500 mg/kg		

Irritation and corrosivity

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

Sensitising effects

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

May cause sensitisation especially in sensitive humans.

Carcinogenic/mutagenic/toxic effects for reproduction

Based on available data, the classification criteria are not met.
Baseoil - unspecified, Distillates (petroleum), hydrotreated light paraffinic:
In vitro mutagenicity/genotoxicity: Method: OECD Guideline 471 (Bacterial Reverse Mutation Assay) with modifications
Results: negative. / positive.; Method: OECD Guideline 473 (In vitro Mammalian Chromosome Aberration Test); Results: negative. Method: OECD Guideline 476 (In vitro Mammalian Cell Gene Mutation Test); Results: negative. / positive.; Literature information: ECHA Dossier; In vitro mutagenicity/genotoxicity In vivo mutagenicity/genotoxicity; Method: OECD Guideline 474 (Mammalian Erythrocyte Micronucleus Test); Results: negative. ; Literature information: ECHA Dossier; Reproductive toxicity: Method: OECD Guideline 421 (Reproduction / Developmental Toxicity Screening Test); Exposure time: 28d; Species: Rat ; Results: NOAEL = > 2000 mg/kg(bw)/day; Literature information: ECHA Dossier; Developmental toxicity/teratogenicity: Method: OECD Guideline 414 (Prenatal Developmental Toxicity Study); Exposure time: 28d; Species: Rat; Results: NOAEL = > 2000 mg/kg(bw)/day; Literature information: ECHA Dossier
Thiophene, tetrahydro-, 1,1-dioxide, 3-(C9-11-isoalkyloxy) derivs., C10-rich
In-vitro mutagenicity: Method: OECD Guideline 473 (In vitro Mammalian Chromosome Aberration Test); Result: negative.; Literature information: ECHA Dossier; Reproductive toxicity: Method: OECD Guideline 421 (Reproduction / Developmental Toxicity Screening Test); Species: Rat; Results: NOAEL = 175 (systemic) /600 mg/kg; Literature information: ECHA Dossier
1-(tert-dodecylthio)propan-2-ol:
In-vitro mutagenicity: Method: OECD Guideline 471 (Bacterial Reverse Mutation Assay), Method: OECD Guideline 473 (In vitro Mammalian Chromosome Aberration Test), Method: OECD Guideline 476 (In vitro Mammalian Cell Gene Mutation Test); Result: negative.;Literature information: ECHA Dossier; Developmental toxicity/teratogenicity/Reproductive toxicity:; Method: OECD Guideline 415 (One-Generation Reproduction Toxicity Study);Species: Rat Sprague-Dawley; Results: NOAEL = 500 mg/kg (P) / 167 mg/kg (F1); Literature information: ECHA Dossier
C14-18 alpha-olefin epoxide, reaction products with boric acid:
Reproductive toxicity: Method: OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test); Species: Rat ; Length of test: 4 d. Results: NOAEL = 500 mg/kg; Literature information: ECHA Dossier; In-vitro mutagenicity: Method: OECD Guideline 471 (Bacterial Reverse Mutation Assay), Method: OECD Guideline 473 (In vitro Mammalian Chromosome Aberration Test),Method: OECD Guideline 476 (In vitro Mammalian Cell Gene Mutation Test)
Acetamide, 2-hydroxy-, N,N-dicoco alkyl derivs.:
In-vitro mutagenicity: Method: OECD Guideline 471 (Bacterial Reverse Mutation Assay), Method: OECD Guideline 473 (In vitro Mammalian Chromosome Aberration Test), Method: OECD Guideline 476 (In vitro Mammalian Cell Gene Mutation Test); Result: negative.; Literature information: ECHA Dossier; Method: OECD Guideline 421 (Reproduction / Developmental Toxicity Screening Test); Species: Rat ; Results: NOAEL >= 1000 mg/kg; Literature information: ECHA Dossier

STOT-single exposure

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

STOT-repeated exposure

Based on available data, the classification criteria are not met.
Baseoil - unspecified, Distillates (petroleum), hydrotreated light paraffinic:
Subacute inhalative toxicity : Method: -; Exposure time: 28d; Species: Rat; Results: NOAEL > 980 mg/m3; Literature information: J Appl Toxicol, Vol 11(4), pp 297-302; Subacute dermal toxicity: Method: OECD Guideline 410 (Repeated Dose Dermal Toxicity: 21/28-Day Study); Exposure time: 28d; Species: Rabbit; Results: NOAEL 1000 mg/kg(bw)/day; Literature information: ECHA Dossier; Subchronic oral toxicity: Method: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity in Rodents); Species: Rat; Results: NOAEL = 125 mg/kg; Literature information: ECHA Dossier
Thiophene, tetrahydro-, 1,1-dioxide, 3-(C9-11-isoalkyloxy) derivs., C10-rich:
Subacute oral toxicity: Method: OECD Guideline 407 (Repeated Dose 28-Day Oral Toxicity in Rodents); Species: Rat; Results: NOAEL = 500 mg/kg; Literature information: ECHA Dossier
1-(tert-dodecylthio)propan-2-ol:
Subacute oral toxicity: Method: WoE; OECD Guideline 407 (Repeated Dose 28-Day Oral Toxicity in Rodents); Species: Rat ; Exposure duration: 28 d. Results: NOEL = 300; NOAEL >= 1000 mg/kg; Literature information: ECHA Dossier
Acetamide, 2-hydroxy-, N,N-dicoco alkyl derivs.:
Subacute oral toxicity: Method: OECD Guideline 407 (Repeated Dose 28-Day Oral Toxicity in Rodents); Species: Rat ; Exposure duration: 28 d. Results: NOAEL >= 1000 mg/kg; Literature information: ECHA Dossier

Aspiration hazard

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

Practical experience

Other observations

Frequently or prolonged contact with skin may cause dermal irritation.

SECTION 12: Ecological information

12.1. Toxicity

CAS No	Chemical name					
	Aquatic toxicity	Dose		[h] | [d]	Species	Source
64742-55-8	Baseoil - unspecified, Distillates (petroleum), hydrotreated light paraffinic					
	Acute fish toxicity	LC50 mg/l	LL50 > 100	96 h	Pimephales promelas (fathead minnow)	ECHA Dossier
	Acute crustacea toxicity	EC50 mg/l	EL50 >10000	48 h	Daphnia magna (Big water flea)	ECHA Dossier
	Algea toxicity	NOEC mg/l	NOEL > 100	3 d	Pseudokirchneriella subcapitata	ECHA Dossier
	Crustacea toxicity	NOEC mg/l	NOEL > 10	21 d	Daphnia magna (Big water flea)	ECHA Dossier
398141-87-2	Thiophene, tetrahydro-, 1,1-dioxide, 3-(C9-11-isoalkyloxy) derivs., C10-rich					
	Acute fish toxicity	LC50 mg/l	LL50: 2,4	96 h	Oncorhynchus mykiss	ECHA Dossier
	Acute algae toxicity	ErC50 mg/l	EbL50: 3,5	72 h	Desmodesmus subspicatus	ECHA Dossier
	Acute crustacea toxicity	EC50	4,6 mg/l	48 h	Daphnia magna	ECHA Dossier
	Acute bacteria toxicity	(>10000 mg/l)		3 h	activated slusge	ECHA Dossier
	Acetamide, 2-hydroxy-, N,N-dicoco alkyl derivs.					
	Acute fish toxicity	LC50	1,2 mg/l	96 h	Oncorhynchus mykiss	ECHA Dossier
	Acute algae toxicity	ErC50	>0,112 mg/l	72 h	Desmodesmus subspicatus	ECHA Dossier
	Acute crustacea toxicity	EC50	0,21 mg/l	48 h	Daphnia magna	ECHA Dossier
	Crustacea toxicity	NOEC	56 mg/l		Daphnia magna	ECHA Dossier
	1,2-Propanediol, 3-amino-, N,N-dicoco alkyl derivs.					
	Acute fish toxicity	LC50	>100 mg/l	96 h	Oncorhynchus mykiss	
	Acute algae toxicity	ErC50	16 mg/l	72 h	Desmodesmus subspicatus	
	Acute crustacea toxicity	EC50	230 mg/l	48 h	Daphnia magna	
67124-09-8	1-(tert-dodecylthio)propan-2-ol					
	Acute fish toxicity	LC50 mg/l	LL50 = 0,75	96 h	Oncorhynchus mykiss	ECHA Dossier
	Acute algae toxicity	ErC50 mg/l	EL 50 > 100	96 h	Scenedesmus subspicatus	ECHA Dossier
	Acute crustacea toxicity	EC50 mg/l	EL 50 = 0,58	48 h	Daphnia magna	ECHA Dossier
	Crustacea toxicity	NOEC	0,32 mg/l	21 d	Daphnia magna	ECHA Dossier
	C14-18 alpha-olefin epoxide, reaction products with boric acid					
	Acute fish toxicity	LC50 mg/l	LL50 > 100	96 h	Oncorhynchus mykiss	ECHA Dossier
	Acute algae toxicity	ErC50 mg/l	EL50 >100	72 h	Pseudokirchneriella subcapitata	ECHA Dossier
	Acute crustacea toxicity	EC50 mg/l	EL50 >100	48 h	Daphnia magna	ECHA Dossier
	Crustacea toxicity	NOEC	10 mg/l	21 d	Daphnia magna	ECHA Dossier
61791-44-4	Ethanol, 2,2'-iminobis-, N-tallow alkyl derivs.					
	Acute algae toxicity	ErC50	0,029 mg/l	72 h	selenastrum capricomutum	
	Algea toxicity	NOEC	0,01 mg/l	3 d	selenastrum capricomutum	

12.2. Persistence and degradability

The product is slightly soluble in water. It can be largely eliminated from the water by abiotic processes, e.g. mechanical separation.

CAS No	Chemical name			
	Method	Value	d	Source
	Evaluation			
64742-55-8	Baseoil - unspecified, Distillates (petroleum), hydrotreated light paraffinic			
	OECD Guideline 301 F	31%	28	ECHA Dossier
	Not easily bio-degradable (according to OECD-criteria).			
398141-87-2	Thiophene, tetrahydro-, 1,1-dioxide, 3-(C9-11-isoalkyloxy) derivs., C10-rich			
	OECD 301C / ISO 9408 / EEC 92/69 annex V, C.4-F	9,6%	28	ECHA Dossier
	Not easily bio-degradable (according to OECD-criteria).			
	Acetamide, 2-hydroxy-, N,N-dicoco alkyl derivs.			
	not determined	67%	28	ECHA Dossier
	Readily biodegradable (according to OECD criteria).			
	1,2-Propanediol, 3-amino-, N,N-dicoco alkyl derivs.			
	not determined	11%	28	ECHA Dossier
	Not readily biodegradable (according to OECD criteria)			
67124-09-8	1-(tert-dodecylthio)propan-2-ol			
	OECD Guideline 301 F	5,9%	28	ECHA Dossier
	Not readily biodegradable (according to OECD criteria)			
	C14-18 alpha-olefin epoxide, reaction products with boric acid			
	OECD Guideline 301 B	26,7%	28	ECHA Dossier
	Not readily biodegradable (according to OECD criteria)			
61791-44-4	Ethanol, 2,2'-iminobis-, N-tallow alkyl derivs.			
	OECD TG 301 D	60%	28	
	Readily biodegradable (according to OECD criteria).			

12.3. Bioaccumulative potential

No indication of bioaccumulation potential.

Partition coefficient n-octanol/water

CAS No	Chemical name	Log Pow
64742-55-8	Baseoil - unspecified, Distillates (petroleum), hydrotreated light paraffinic	> 3,5
398141-87-2	Thiophene, tetrahydro-, 1,1-dioxide, 3-(C9-11-isoalkyloxy) derivs., C10-rich	4,11
67124-09-8	1-(tert-dodecylthio)propan-2-ol	> 4.72 - < 6.51
	C14-18 alpha-olefin epoxide, reaction products with boric acid	>= 6.24 - 9.4

12.4. Mobility in soil

No information available.

12.5. Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

12.6. Other adverse effects

No information available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Advice on disposal

Dispose of waste according to applicable legislation. Consult the appropriate local waste disposal expert about waste disposal. Non-contaminated packages may be recycled. The allocation of waste identity numbers/waste descriptions must be carried out according to the EEC, specific to the industry and process.

Waste disposal number of contaminated packaging

150110 WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED; packaging (including separately collected municipal packaging waste); packaging containing residues of or contaminated by hazardous substances; hazardous waste

Contaminated packaging

Handle contaminated packages in the same way as the substance itself.

SECTION 14: Transport information

Land transport (ADR/RID)

14.1. UN number:	No dangerous good in sense of this transport regulation.
14.2. UN proper shipping name:	No dangerous good in sense of this transport regulation.
14.3. Transport hazard class(es):	No dangerous good in sense of this transport regulation.
14.4. Packing group:	No dangerous good in sense of this transport regulation.

Inland waterways transport (ADN)

14.1. UN number:	No dangerous good in sense of this transport regulation.
14.2. UN proper shipping name:	No dangerous good in sense of this transport regulation.
14.3. Transport hazard class(es):	No dangerous good in sense of this transport regulation.
14.4. Packing group:	No dangerous good in sense of this transport regulation.

Marine transport (IMDG)

14.1. UN number:	No dangerous good in sense of this transport regulation.
14.2. UN proper shipping name:	No dangerous good in sense of this transport regulation.
14.3. Transport hazard class(es):	No dangerous good in sense of this transport regulation.
14.4. Packing group:	No dangerous good in sense of this transport regulation.

Air transport (ICAO-TI/IATA-DGR)

14.1. UN number:	No dangerous good in sense of this transport regulation.
14.2. UN proper shipping name:	No dangerous good in sense of this transport regulation.
14.3. Transport hazard class(es):	No dangerous good in sense of this transport regulation.
14.4. Packing group:	No dangerous good in sense of this transport regulation.

14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: no

14.6. Special precautions for user

Informations for safe handling see chapter 7.
Informations for personal protective equipment see chapter 8.

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

not relevant

SECTION 15: Regulatory information

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

EU regulatory information

Restrictions on use (REACH, annex XVII):

Entry 28: Baseoil - unspecified, Distillates (petroleum), hydrotreated light paraffinic

2010/75/EU (VOC):	No information available.
2004/42/EC (VOC):	No information available.
Information according to 2012/18/EU (SEVESO III):	Not subject to 2012/18/EU (SEVESO III)

Additional information

Observe in addition any national regulations!

National regulatory information

Water contaminating class (D): 2 - water contaminating

Additional information

none

15.2 Chemical Safety Assessment
not applicable.

SECTION 16: Other information

Changes

This data sheet contains changes from the previous version in section(s): 2,3,11,16.
Rev. : 1,0 - 01.06.2016
Rev.: 2,00 - 15.06.2017

Abbreviations and acronyms

ADR: Accord européen sur le transport des marchandises dangereuses par Route
CAS Chemical Abstracts Service
DNEL: Derived No Effect Level
IARC: INTERNATIONAL AGENCY FOR RESEARCH ON CANCER
IMDG: International Maritime Code for Dangerous Goods
IATA: International Air Transport Association
IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)
ICAO: International Civil Aviation Organization
ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO)
GHS: Globally Harmonized System of Classification and Labelling of Chemicals
GefStoffV: Gefahrstoffverordnung (Ordinance on Hazardous Substances, Germany)
LOAEL: Lowest observed adverse effect level
LOAEC: Lowest observed adverse effect concentration
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
NOAEL: No observed adverse effect level
NOAEC: No observed adverse effect level
NTP: National Toxicology Program
N/A: not applicable
OSHA: Occupational Safety and Health Administration
PNEC: predicted no effect concentration
PBT: Persistent bioaccumulative toxic
RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
SARA: Superfund Amendments and Reauthorization Act
SVHC: substance of very high concern
TRGS Technische Regeln für Gefahrstoffe
TSCA: Toxic Substances Control Act
VOC: Volatile Organic Compounds
VwVwS: Verwaltungsvorschrift wassergefährdender Stoffe
WGK: Wassergefährdungsklasse

Relevant H and EUH statements (number and full text)

H290	May be corrosive to metals.
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H314	Causes severe skin burns and eye damage.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.

H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.
EUH208	Contains Acetamide, 2-hydroxy-, N,N-dicoco alkyl derivs., 1,2-Propanediol, 3-amino-, N,N-dicoco alkyl derivs., 1-(tert-dodecylthio)propan-2-ol, Benzene, polypropene derivatives, sulfonated, calcium salts, C14-18 alpha-olefin epoxide, reaction products with boric acid. May produce an allergic reaction.

Further Information

Classification according to Regulation (EC) No 1272/2008 [CLP] - Classification procedure:
Health hazards: Calculation method.
Environmental hazards: Calculation method.
Physical hazards: On basis of test data.

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)