

according to Regulation (EC) No 1907/2006

# **AVISTA peer EVO ATF GER**

Revision date: 30.06.2023

Product code: 173638

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

### 1.1. Product identifier

AVISTA peer EVO ATF GER

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

### Use of the substance/mixture

Automatic gear oil

### Uses advised against

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### 1.3. Details of the supplier of the safety data sheet

Company name:	AVISTA OIL Deutschland GmbH	
Street:	Bahnhofstraße 82	
Place:	D-31311 Dollbergen	
Telephone:	+49 5177-850	
E-mail:	msds@avista-oil.de	
Contact person:	Product management	Telephone: +49 5177-178 (Only available during office hours.)
E-mail:	msds@avista-oil.de	
Internet:	www.avista-oil.de	
1.4. Emergency telephone number:	CHEMTREC: +1-703-527-3887 (intel	rnational, 24h aday / 7 days a week)

### **SECTION 2: Hazards identification**

### 2.1. Classification of the substance or mixture

### Regulation (EC) No 1272/2008

Aquatic Chronic 3; H412

Full text of hazard statements: see SECTION 16.

### 2.2. Label elements

H412

### Regulation (EC) No 1272/2008

### Hazard statements

Harmful to aquatic life with long lasting effects.

### Precautionary statements

P273Avoid release to the environment.P501Dispose of containers/content in accordance with the legal regulations of the waste<br/>management.

# Special labelling of certain mixtures

Contains 1,2-Propanediol, 3-amino-, N,N-dicoco alkyl derivs., 1-(tert-Dodecylthio)propan-2 -ol, C14-18 alpha-olefin epoxide, reaction products with boric acid. May produce an allergic reaction.

### 2.3. Other hazards

EUH208

Product can form a film on the water surface that can prevent oxygen exchange. Refer to section 11, 12 and 15

### **SECTION 3: Composition/information on ingredients**

# 3.2. Mixtures



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### Hazardous components

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	Classification (Regulation (EC) No	1272/2008)		
64742-55-8	Distillates (petroleum), hydrotreate	d light paraffinic; Baseoil -	unspecified	15 - < 20 %
	265-158-7	649-468-00-3	01-2119487077-29	
	Asp. Tox. 1; H304			
72623-87-1	Lubricating oils (petroleum), C20-5	0, hydrotreated neutral oil-	pased; Baseoil - unspecified	5 - < 10 %
	276-738-4	649-483-00-5	01-2119474889-13	
	Asp. Tox. 1; H304			
Mixture	Mineral Oil			5 - < 10 %
	Asp. Tox. 1; H304			
	Thiophene, tetrahydro-, 1,1-dioxide	e, 3-(C9-11-isoalkyloxy) de	ivs., 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-dio	oco 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, Ad	quatic Chronic 1; H317 H40	0 H410	
29385-43-1	Methyl-1H-benzotriazol			< 1 %
	249-596-6		01-2119979081-35	
	Repr. 2, Acute Tox. 4, Aquatic Chr			
Polymer	Benzene, polypropene derivatives,	sulfonated, calcium salts		< 1 %
	Skin Sens. 1B; H317			
1218787-32- 6	2,2'-(C16-18 (evennumbered, C18	unsaturated)alkyl imino) di	ethanol	< 0.1 %
	620-540-6		01-2119510877-33	
	Acute Tox. 4, Skin Corr. 1C, Eye D H400 H410	am. 1, Aquatic Acute 1, Ac	uatic Chronic 1; H302 H314 H318	

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



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# Specific Conc. Limits, M-factors and ATE

CAS No	EC No	Chemical name	Quantity
	Specific Conc.	Limits, M-factors and ATE	
-	471-920-1	Acetamide, 2-hydroxy-, N,N-dicoco alkyl derivs.	< 1 %
	Skin Sens. 1B;	H317: >= 9,4 - 100	
29385-43-1	249-596-6	Methyl-1H-benzotriazol	< 1 %
	oral: ATE = 50	0 mg/kg	
Polymer		Benzene, polypropene derivatives, sulfonated, calcium salts	< 1 %
	Skin Sens. 1B;	H317: >= 10 - 100	
1218787-32- 6	620-540-6	2,2'-(C16-18 (evennumbered, C18 unsaturated)alkyl imino) diethanol	< 0.1 %

### **Further Information**

The mixture includes the substance with the CAS 64742-54-7 or the substance with the CAS 72623-87-1. The mineral oils in the product contain less than 3 % DMSO extract (IP 346).

### **SECTION 4: First aid measures**

### 4.1. Description of first aid measures

#### **General information**

When in doubt or if symptoms are observed, get medical advice. Never give anything by mouth to an unconscious person or a person with cramps.

### After inhalation

Remove casualty to fresh air and keep warm and at rest. Get medical advice/attention if you feel unwell.

### After contact with skin

Immediately remove any contaminated clothing, shoes or stockings. After contact with skin, wash immediately with plenty of water and soap. In case of skin irritation, consult a physician.

### After contact with eyes

In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart and consult an ophthalmologist. Remove contact lenses, if present and easy to do. Continue rinsing. Call a physician immediately.

### After ingestion

Do NOT induce vomiting. Call a physician immediately. Observe risk of aspiration if vomiting occurs.

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

No known symptoms to date.

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

First aider: Pay attention to self-protection!

# **SECTION 5: Firefighting measures**

# 5.1. Extinguishing media

### Suitable extinguishing media

Foam, Carbon dioxide (CO2), Extinguishing powder, Water spray jet.



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### Unsuitable extinguishing media

Full water jet

# 5.2. Special hazards arising from the substance or mixture

The formation of combustible vapours is possible at temperatures above: Flash point. In case of fire may be liberated:

Hydrocarbons, Pyrolysis products, toxic, Carbon dioxide (CO2), Carbon monoxide, Hydrogen sulphide (H2S), Nitrogen oxides (NOx), Phosphorus oxides.

### 5.3. Advice for firefighters

In case of fire: Wear self-contained breathing apparatus. Wear full chemical protective clothing.

Use water spray jet to protect personnel and to cool endangered containers.

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

### Additional information

B (Fires of liquids or liquid turning substances)

# **SECTION 6: Accidental release measures**

### 6.1. Personal precautions, protective equipment and emergency procedures

### **General advice**

Provide adequate ventilation. Special danger of slipping by leaking/spilling product. Conditions to avoid: Inhalation. Keep away from sources of ignition - No smoking. Avoid contact with eyes and skin.

#### 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).

### 6.3. Methods and material for containment and cleaning up

### For cleaning up

Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents). Treat the recovered material as prescribed in the section on waste disposal.

### 6.4. Reference to other sections

Safe handling: see section 7 Personal protection equipment: see section 8 Disposal: see section 13

### **SECTION 7: Handling and storage**

### 7.1. Precautions for safe handling

### Advice on safe handling

All work processes must always be designed so that the following is excluded: Generation/formation of mist. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Handle and open container with care.

#### Advice on protection against fire and explosion

Take precautionary measures against static discharges.

#### Advice on general occupational hygiene

Avoid contact with skin, eyes and clothes. Do not put any product-impregnated cleaning rags into your trouser pockets. Remove contaminated, saturated clothing immediately. Wash hands before breaks and after work. When using do not eat, drink or smoke. Separate storage of work clothes.

#### Further information on handling

The formation of combustible vapours is possible at temperatures above: Flash point

### 7.2. Conditions for safe storage, including any incompatibilities

### Requirements for storage rooms and vessels

Keep/Store only in original container.



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### Hints on joint storage

Keep away from: Oxidising agent, strong

### Further information on storage conditions

Do not expose to temperatures above 50 °C.

Keep container tightly closed in a cool, well-ventilated place.

## 7.3. Specific end use(s)

see product information

# **SECTION 8: Exposure controls/personal protection**

# 8.1. Control parameters

# DNEL/DMEL values

CAS No	Name of agent				
DNEL type		Exposure route	Effect	Value	
64742-55-8	Distillates (petroleum), hydrotreated light paraffinic; Based	il - unspecified			
Worker DNEL,	long-term	dermal	systemic	0,97 mg/kg bw/day	
Worker DNEL,	long-term	inhalation	systemic	2,7 mg/m³	
Worker DNEL,	long-term	inhalation	local	5,58 mg/m³	
Mixture	Mineral Oil				
Worker DNEL,	long-term	inhalation	local	5,58 mg/m³	
Worker DNEL,	long-term	inhalation	systemic	2,73 mg/m <sup>3</sup>	
Consumer DN	EL, long-term	oral	systemic	0,74 mg/kg bw/day	
Worker DNEL, long-term		dermal	systemic	0,97 mg/kg bw/day	
Consumer DN	EL, long-term	inhalation	local	1,19 mg/m <sup>3</sup>	
	Thiophene, tetrahydro-, 1,1-dioxide, 3-(C9-11-isoalkyloxy)	derivs., C10-rich			
Consumer DN	EL, long-term	dermal	systemic	125 mg/kg bw/day	
Worker DNEL,	long-term	dermal	systemic	350 mg/kg bw/day	
Worker DNEL,	long-term	inhalation	systemic	24,7 mg/m <sup>3</sup>	
Consumer DN	Consumer DNEL, long-term		systemic	4,35 mg/m <sup>3</sup>	
29385-43-1	Methyl-1H-benzotriazol				
Worker DNEL,	long-term	dermal	systemic	0,5 mg/kg bw/day	
Worker DNEL,	long-term	inhalation	systemic	8,8 mg/m³	

### Additional advice on limit values

To date, no national critical limit values exist.

### 8.2. Exposure controls

### Appropriate engineering controls

Provide adequate ventilation as well as local exhaustion at critical locations.

Individual protection measures, such as personal protective equipment

### Eye/face protection

Wear eye/face protection. EN 166

### Hand protection

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. Replace when worn.



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For this purpose, protective gloves are suitable, for instance, made by the company KCL GmbH, D-36124 Eichenzell, phone +49 (0)6659 87300, e-mail: vertrieb@kcl.de with the following specification (tested as per EN374):

### In case of full contact/spray contact:

Camatril (Item No: 731; Material: Nitrile; Minimum layer thickness: 0.33 mm; Burst time: 480 min) Dermatril (Item No: 740; Material: Nitrile; Minimum layer thickness: 0.11 mm; Burst time: 30 min) The protective gloves to be used must comply with the specifications of the EU directive 89/686/EEC and the standard EN374 derived from it. The above mentioned burst times are based on laboratory measurements of KCL made as per EN 374 and are applicable only for this KCL product.

Preventive skin protection by protective skin ointment.

### Skin protection

The type of personal protective equipment must be selected depending on the concentration and quantity of the hazardous substance at the workplace. For the protection against direct skin contact, body protective clothing is essential (in addition to the usual working clothes).

Chemical resistant safety shoes

# **Respiratory protection**

Generation/formation of mist: Filtering device with filter or ventilator filtering device of type:A2 P2

### Environmental exposure controls

Technical measures for preventing exposition Organisational measures for preventing exposition

### **SECTION 9: Physical and chemical properties**

### 9.1. Information on basic physical and chemical properties

Physical state: Colour:	Liquid light yellow - light brown	
Odour:	characteristic	
		Test method
Melting point/freezing point:	not determined	
Boiling point or initial boiling point and	>320 °C	
boiling range:		
Flammability:	not determined	
Lower explosion limits:	0,6 vol. %	
Upper explosion limits:	6,5 vol. %	
Flash point:	>200 °C	DIN ISO 2592
Auto-ignition temperature:	not determined	
Decomposition temperature:	not applicable	
pH-Value:	not applicable	
Viscosity / kinematic:	40 mm²/s	ASTM D7279
(at 40 °C)		
Water solubility:	practically insoluble	
Solubility in other solvents		
not determined		
Partition coefficient n-octanol/water:	not determined	
Vapour pressure:	not determined	
Density (at 15 °C):	0,835-0,855 g/cm³	DIN EN ISO 12185
Relative vapour density:	not determined	
Particle characteristics:	not applicable	
9.2. Other information		



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### Information with regard to physical hazard classes

Explosive properties none Other safety characteristics Pour point:

<-42 °C ASTM D7346

### none

**Further Information** 

### **SECTION 10: Stability and reactivity**

### 10.1. Reactivity

No hazardous reaction when handled and stored according to provisions.

### 10.2. Chemical stability

The product is stable under storage at normal ambient temperatures.

### 10.3. Possibility of hazardous reactions

The formation of combustible vapours is possible at temperatures above: Flash point

### 10.4. Conditions to avoid

Oxidising agent, strong

### 10.5. Incompatible materials

No data available

### 10.6. Hazardous decomposition products

Refer to section 5.3.

### **SECTION 11: Toxicological information**

### 11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

### Acute toxicity

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

### **ATEmix calculated**

ATE (oral) > 2000 mg/kg; ATE (dermal) > 2000 mg/kg; ATE (inhalation vapour) > 20 mg/l; ATE (inhalation

dust/mist) > 5 mg/l

CAS No	Chemical name							
	Exposure route	Dose		Species	Source	Method		
29385-43-1	Methyl-1H-benzotriazol	Methyl-1H-benzotriazol						
	oral	ATE mg/kg	500					
1218787-32- 6	2,2'-(C16-18 (evennumbered, C18 unsaturated)alkyl imino) diethanol							
	oral	LD50	500	Ratte				
	or di	mg/kg						

### Irritation and corrosivity

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

### Sensitising effects

Contains 1,2-Propanediol, 3-amino-, N,N-dicoco alkyl derivs., 1-(tert-Dodecylthio)propan-2-ol, C14-18 alpha-olefin epoxide, reaction products with boric acid. May produce an allergic reaction. Frequently or prolonged contact with skin may cause dermal irritation.



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### Carcinogenic/mutagenic/toxic effects for reproduction

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

### 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.

### Aspiration hazard

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

### Specific effects in experiment on an animal

There are no data available on the preparation/mixture itself.

# 11.2. Information on other hazards

### **Endocrine disrupting properties**

This product does not contain a substance that has endocrine disrupting properties with respect to humans as no components meets the criteria.

### **Further information**

There are no data available on the preparation/mixture itself.

### **SECTION 12: Ecological information**

### 12.1. Toxicity

There are no data available on the preparation/mixture itself.



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CAS No	Chemical name						
	Aquatic toxicity	Dose		[h]   [d]	Species	Source	Method
64742-55-8	Distillates (petroleum), hydrotreated light paraffinic; Baseoil - unspecified						
	Acute fish toxicity	LC50 mg/l	>100	96 h	Pimephales promelas	OECD 203	
	Acute algae toxicity	ErC50 mg/l	>100	72 h	Pseudokirchneriella subcapitata	OECD 201	
	Acute crustacea toxicity	EC50 mg/l	>10000	48 h	Daphnia magna	OECD 202	
	Fish toxicity	NOEC mg/l	>1000	14 d	Oncorhynchus mykiss	QSAR	
	Crustacea toxicity	NOEC	10 mg/l	21 d	Daphnia magna	OECD 211	
29385-43-1	Methyl-1H-benzotriazol						
	Acute fish toxicity	LL50	180 mg/l	96 h	Danio rerio (zebrafish)		
	Acute algae toxicity	ErC50	75 mg/l	72 h	Pseudokirchneriella subcapitata		
	Acute crustacea toxicity	EL50 mg/l	8,58	48 h	Daphnia magna (Big water flea)		
1218787-32 -6	2,2'-(C16-18 (evennumbe	red, C18 un	isaturated)all	(yl imino)	) diethanol		
	Acute fish toxicity	LC50	0,1 mg/l	96 h	Danio rerio (zebrafish)		
	Acute algae toxicity	ErC50 mg/l	0,0538	72 h	Pseudokirchneriella subcapitata		
	Acute crustacea toxicity	EC50 mg/l	0,043	48 h	Daphnia magna (Big water flea)		
	Algae toxicity	NOEC mg/l	0,0156	72 d	Pseudokirchneriella subcapitata		
	Crustacea toxicity	NOEC mg/l	0,0107	21 d	Daphnia magna (Big water flea)		
	Acute bacteria toxicity	(EC50 mg/l)	167	3 h			

### 12.2. Persistence and degradability

There are no data available on the preparation/mixture itself.

Not readily biodegradable (according to OECD criteria). Data apply to the main component.

CAS No	Chemical name					
	Method Value d Source					
	Evaluation					
1218787-32- 6	2,2'-(C16-18 (evennumbered, C18 unsaturated)alkyl imino) diethanol					
	OECD 301D	61-65%	28			
	Readily biodegradable (according to OECD criteria).					

### 12.3. Bioaccumulative potential

There are no data available on the preparation/mixture itself.

# 12.4. Mobility in soil

There are no data available on the preparation/mixture itself.

### 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.



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### 12.6. Endocrine disrupting properties

This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

### 12.7. Other adverse effects

Do not allow uncontrolled discharge of product into the environment.

#### **Further information**

There are no data available on the preparation/mixture itself. Do not allow to enter into surface water or drains.

### **SECTION 13: Disposal considerations**

### 13.1. Waste treatment methods

#### **Disposal recommendations**

The allocation of waste code numbers/ descriptions shall be carried out in accordance with the List of Wastes Resolution 2000/532/EC on an industry- and process-specific basis.

### List of Wastes Code - residues/unused products

130205 OIL WASTES AND WASTES OF LIQUID FUELS (EXCEPT EDIBLE OILS, AND THOSE IN CHAPTERS 05, 12 AND 19); waste engine, gear and lubricating oils; mineral-based non-chlorinated engine, gear and lubricating oils; hazardous waste

### List of Wastes Code - used product

130205 OIL WASTES AND WASTES OF LIQUID FUELS (EXCEPT EDIBLE OILS, AND THOSE IN CHAPTERS 05, 12 AND 19); waste engine, gear and lubricating oils; mineral-based non-chlorinated engine, gear and lubricating oils; hazardous waste

#### List of Wastes Code - 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

Packaging containing oil is classified as packaging of pollutant-containing products. They are therefore not subject to collection by nationwide packaging take-back systems.

Oil packaging that has been emptied down to the residues that usually remain in it is subject to take-back by manufacturers and distributors.

Recommendation for disposal: Contacting the supplier / contractual partner.

### **SECTION 14: Transport information**

### Land transport (ADR/RID)

<u>14.1. UN number or ID number:</u> <u>14.2. UN proper shipping name:</u> <u>14.3. Transport hazard class(es):</u> <u>14.4. Packing group:</u>	No dangerous good in sense of this transport regulation. No dangerous good in sense of this transport regulation. No dangerous good in sense of this transport regulation. No dangerous good in sense of this transport regulation.
Inland waterways transport (ADN)	
14.1. UN number or ID 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 or ID 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.



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14.4. Packing group:	No dangerous good in sense of this transport regulation.	
Air transport (ICAO-TI/IATA-DGR)		
14.1. UN number or ID 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		
No dangerous good in sense of this tra	nsport regulation.	
14.7. Maritime transport in bulk according to	o IMO instruments	
not applicable		
SECTION 15: Regulatory information		
15.1. Safety, health and environmental regu	lations/legislation specific for the substance or mixture	
EU regulatory information		
Restrictions on use (REACH, annex XVII):		
Entry 3, Entry 75		
Information according to 2012/18/EU	Not subject to 2012/18/EU (SEVESO III)	
(SEVESO III):		
National regulatory information		
Water hazard class (D):	1 - slightly hazardous to water	
Additional information		
Observe in addition any national regula	ations!	
15.2. Chemical safety assessment		
Chemical safety assessments for subs	tances in this mixture were not carried out.	
SECTION 16: Other information		
Abbreviations and acronyms		
Acute Tox: Acute toxicity		
Asp. Tox: Aspiration hazard		
Skin Corr: Skin corrosion		
Eye Dam: Eye damage		
Skin Sens: Skin sensitisation		
Repr: Reproductive toxicity		
Aquatic Acute: Acute aquatic hazard		
Aquatic Chronic: Chronic aquatic haza		
Classification for mixtures and used evaluation	ation method according to Regulation (EC) No 1272/2008 [CL	_P]

Classification	Classification procedure	
Aquatic Chronic 3; H412	Calculation method	
Relevant H and EUH	I statements (number and full text)	
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.	
H361d	Suspected of damaging the unborn child.	
H400	Very toxic to aquatic life.	



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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 1,2-Propanediol, 3-amino-, N,N-dicoco alkyl derivs., 1-(tert-Dodecylthio)propa -ol, C14-18 alpha-olefin epoxide, reaction products with boric acid. May produce an alle reaction.			

# **Further Information**

The information is based on the present level of our knowledge. It does not, however, give assurance of product properties and establishes no contract legal rights. The receiver of our product is singularly responsible for adhering to existing laws and regulations.

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