

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830 Date of issue: 11/24/2015 Revision date: 8/27/2019 Supersedes: 8/27/2019 Version: 1.1

OLCHON I. IC	ientification of the s	sub <u>stan</u>	ce/mixture and of the cor	npany/u <u>ndertaking</u>	
	identifier				
Product form		: S	ubstance		
Substance name		-	RGANIC RED MYRTLE OIL TUN	ISIA	
EC-No.		-	82-012-8		
CAS-No.			4082-67-7		
Product code			IYRTHE03_BIO		
Synonyms			AS N° : 8008-46-6		
Product group			Prganic essential oil		
	t identified uses of the	ubotance	or mixture and uses added to	asinot	
	t identified uses of the s	ubstance	e or mixture and uses advised a	gainst	
		· In	dustrial uso Professional uso		
Main use category Industrial/Professio			ndustrial use,Professional use or professional use only		
industrial/F10185510	shar use spec		ndustrial		
<b>1.2.2.</b> Uses ad No additional inform	vised against mation available				
	of the supplier of the saf	ety data s	sheet		
exaflor@orange.fr	1 lex - France 3 10 - F +33 (0)1 41 73 23 - <u>www.exaflor.fr</u>	3 19			
	ncy telephone number				
Country	Organisation/Compar	ıy	Address	Emergency number	Comment
	ORFILA (FRANCE)			+33 1 45 42 59 59	
Flammable liquids, Skin corrosion/irrita Serious eye damag 2 Skin sensitisation, Aspiration hazard, Hazardous to the a Acute Hazard, Cat	ation, Category 2 ge/eye irritation, Category Category 1 Category 1 aquatic environment — egory 1 aquatic environment —	H226 H315	72/2008 [CLP]		
Full text of H state	ments : see section 16	and envi	ronmental effects		
Full text of H stater Adverse physicoo No additional infor	ments : see section 16 chemical, human health mation available	and envi	ronmental effects		
Full text of H state Adverse physico No additional infor 2.2. Label el	ments : see section 16 chemical, human health mation available ements ng to Regulation (EC) No				•
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Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

	H317 - May cause an allergic skin reaction. H319 - Causes serious eye irritation. H410 - Very toxic to aquatic life with long lasting effects.
Precautionary statements (CLP)	<ul> <li>P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.</li> <li>P233 - Keep container tightly closed.</li> <li>P240 - Ground/bond container and receiving equipment.</li> <li>P241 - Use explosion-proof ventilating equipment.</li> <li>P261 - Avoid breathing mist, fume, dust, vapours.</li> <li>P264 - Wash hands thoroughly after handling.</li> <li>P273 - Avoid release to the environment.</li> <li>P280 - Wear protective gloves, protective clothing, eye protection.</li> <li>P301+P310 - IF SWALLOWED: Immediately call a POISON CENTER, a doctor.</li> <li>P302+P352 - IF ON SKIN: Wash with plenty of water.</li> <li>P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing.</li> <li>Rinse skin with water/shower.</li> <li>P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.</li> <li>P321 - Specific treatment (see Read label before use. on this label)</li> <li>P331 - Do NOT induce vomiting.</li> <li>P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.</li> <li>P362+P364 - Take off contaminated clothing and wash it before reuse.</li> <li>P370+P378 - In case of fire: Use foam, ABC-powder, carbon dioxide (CO2) to extinguish.</li> <li>P403+P235 - Store in a well-ventilated place. Keep cool.</li> <li>P501 - Dispose of contents/container to contents/container to agreemented companies according to national regulations</li> </ul>

### 2.3. Other hazards

No additional information available

SECT	SECTION 3: Composition/information on ingredients		
3.1.	Substances		
Name		: ORGANIC RED MYRTLE OIL TUNISIA	
CAS-No		: 84082-67-7	
EC-No.		: 282-012-8	

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
ALPHA-PINENES	(CAS-No.) 80-56-8 (EC-No.) 201-291-9	<= 55	Flam. Liq. 3, H226 Skin Irrit. 2, H315 Skin Sens. 1, H317 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
EUCALYPTOL	(CAS-No.) 470-82-6 (EC-No.) 207-431-5	<= 25	Flam. Liq. 3, H226
D-LIMONENE	(CAS-No.) 5989-27-5 (EC-No.) 227-813-5 (EC Index-No.) 601-029-00-7	<= 10	Flam. Liq. 3, H226 Skin Irrit. 2, H315 Skin Sens. 1, H317 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
LINALOOL	(CAS-No.) 78-70-6 (EC-No.) 201-134-4	<= 5.5	Skin Irrit. 2, H315 Eye Irrit. 2, H319
ALPHA-TERPINEOL	(CAS-No.) 98-55-5 (EC-No.) 202-680-6	<= 2.5	Skin Irrit. 2, H315 Eye Irrit. 2, H319
GERANYL ACETATE	(CAS-No.) 105-87-3 (EC-No.) 203-341-5	<= 2.5	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Aquatic Chronic 3, H412
P-CYMENE	(CAS-No.) 99-87-6 (EC-No.) 202-796-7	<= 2	Flam. Liq. 3, H226 Aquatic Chronic 2, H411
GERANIOL	(CAS-No.) 106-24-1 (EC-No.) 203-377-1	<= 1	Skin Irrit. 2, H315 Eye Dam. 1, H318 Skin Sens. 1, H317
METHYL EUGENOL	(CAS-No.) 93-15-2 (EC-No.) 202-223-0	<= 0.5	Acute Tox. 4 (Oral), H302 Muta. 2, H341 Carc. 2, H351 Aquatic Chronic 2, H411

Full text of H-statements: see section 16

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3.2.         Mixtures           Not applicable         Instant Sector				
SECTION 4: First aid measures				
4.1. Description of first aid measures				
First-aid measures after skin contact	: Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash with plenty of water/ Wash contaminated clothing before reuse. If skin irritation occurs: Gently wash with plenty of soap and water. Get medical advice/attention. Specific treatment (see Read label before use. on this label). If skin irritation or rash occurs: Gently wash with plenty of soap and water.			
First-aid measures after eye contact	: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Consult an eye specialist. Get medical advice/attention.			
First-aid measures after ingestion	: Immediately call a POISON CENTER/doctor.			
4.2. Most important symptoms and effect				
Symptoms/effects after inhalation Symptoms/effects after skin contact	: May cause an allergic skin reaction. : Causes skin irritation.			
Symptoms/effects after eye contact	: Causes serious eye irritation.			
Symptoms/effects after ingestion	: May be fatal if swallowed and enters airways.			
4.3. Indication of any immediate medical	attention and special treatment needed			
No additional information available				
SECTION 5: Firefighting measures				
5.1. Extinguishing media				
No additional information available				
5.2. Special hazards arising from the sub	stance or mixture			
Fire hazard	: Flammable liquid and vapour.			
Explosion hazard	: May form flammable/explosive vapour-air mixture.			
5.3. Advice for firefighters				
No additional information available				
SECTION 6: Accidental release meas				
SECTION 6: Accidental release meas 6.1. Personal precautions, protective equ	ipment and emergency procedures			
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according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

Maxim	um storage period	: 36 months Shelf life to guarantee the quality and properties of the product; After this period, it is recommended to control organoleptic and physicochemical properties before using the raw material.
Storag	e temperature	: ≈ 18 (5 - 25) °C
7.3.	Specific end use(s)	
No add	litional information available	
SECT	ION 8: Exposure controls	/personal protection
<b>SEC</b> 1 8.1.	ION 8: Exposure controls Control parameters	/personal protection
8.1.		/personal protection
8.1.	Control parameters	/personal protection

### Skin and body protection:

Wear suitable protective clothing

**Respiratory protection:** 

[In case of inadequate ventilation] wear respiratory protection.

## SECTION 9: Physical and chemical properties

9.1. Information on basic physical and	chemical properties
Physical state	: Liquid
Appearance	: Liquid mobile. Clear.
Colour	: orange.
Odour	: characteristic. strong. Slightly acidic.
Odour threshold	: No data available
рН	: No data available
Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: 37 °C
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Flammable liquid and vapour.
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: 0.879 - 0.883
Solubility	: Insoluble in water.
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available
9.2. Other information	

9.2. Other infor Refractive index

: 1.455 - 1.475

SECT	TON 10: Stability and reactivity		
10.1.	Reactivity		
No add	No additional information available		
10.2.	Chemical stability		
Flamma	Flammable liquid and vapour. May form flammable/explosive vapour-air mixture.		
10.3.	10.3. Possibility of hazardous reactions		
No add	litional information available		
10.4.	10.4. Conditions to avoid		
Open fl	Open flame. Overheating. Direct sunlight. Heat. Sparks.		
8/27/201	19 EN (English)	4/10	

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Not classified Not classified Not classified -7) >= 5000 mg/kg >= 5000 mg/kg 3700 mg/kg > 5000 mg/kg 2480 ml/kg 4400 mg/kg > 5000 mg/kg
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4400 mg/kg > 5000 mg/kg 2790 mg/kg
> 5000 mg/kg 2790 mg/kg
> 5000 mg/kg 2790 mg/kg
2790 mg/kg
3120 mg/kg LD50 oral mouse
5610 mg/kg
6330 mg/kg
= 100 mg (24 Hours, May cause moderate irritation.)
= 100 mg (24 Hours, Notes to physician : Risk of severe skin irritation)
3600 mg/kg
> 5000 mg/kg
810 mg/kg
> 2025 > 4800 mg/kg
> 4000 mg/kg
1750 malka
4750 mg/kg 5000
Causes skin irritation.
Causes serious eye irritation.
May cause an allergic skin reaction.
Not classified
Not classified
Not classified
Not classified
Not classified
May be fatal if swallowed and enters airways.

<b>SECTION 12: Ecological information</b>	
12.1. Toxicity	
Ecology - water	: Very toxic to aquatic life with long lasting effects.

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Acute aquatic toxicity	: Very toxic to aquatic life.	
Chronic aquatic toxicity	: Very toxic to aquatic life with long lasting effects.	
ALPHA-PINENES (80-56-8)		
LC50 fish 1	0.28 mg/l Pimephales promela (fathead minnow) - 96h	
LC50 other aquatic organisms 1	41 mg/l EC50 48h - Daphnia magna [mg/l]	
EUCALYPTOL (470-82-6)		
LC50 fish 1	102 mg/l Pimephales promela (fathead minnow) - 96H	
D-LIMONENE (5989-27-5)		
LC50 fish 1	0.702 mg/l Pimephales promela (fathead minnow) -96h	
EC50 Daphnia 1	69.6 daphnia - 48h	
LINALOOL (78-70-6)		
LC50 fish 1	27.8 mg/l EC 50 (fish : rainbow trout) : - 96h	
LC50 other aquatic organisms 1	88.3 mg/l Desmodesmus subspicatus (green algae) - 96h	
EC50 Daphnia 1	59 mg/l EC50 48h - Daphnia magna [mg/l]	
NOEC chronic fish	3.5 mg/l Oncorhynchus mykiss (Rainbow trout)- 96h	
NOEC chronic crustacea	25 mg/l daphnia - 48h	
GERANIOL (106-24-1)		
LC50 fish 1	env. 22 mg/l Brachydanio rerio (zebra-fish) - 96h	
EC50 Daphnia 1	10.8 mg/l EC50 48h - Daphnia magna [mg/l]	
EC50 other aquatic organisms 1	13.1 mg/l Desmodesmus subspicatus (green algae) -72h	
METHYL EUGENOL (93-15-2)		
LC50 fish 1	6 mg/l Oncorhynchus mykiss (Rainbow trout) - 96h	
P-CYMENE (99-87-6)		
LC50 fish 1	48 mg/l 96H -Cyprinodon variegatus (Sheep shead minnow)	
EC50 Daphnia 1	6.5 mg/l EC50 48h - Daphnia magna [mg/l]	
ErC50 (algae)	4.03 mg/l 72h - Scenedesmus capricornutum (Fresh water algae)	

12.2. Persistence and degradability		
ORGANIC RED MYRTLE OIL TUNISIA (84082-67-7)		
Persistence and degradability	May cause long-term adverse effects in the environment.	
ALPHA-PINENES (80-56-8)		
Persistence and degradability	Readily biodegradable. May cause long-term adverse effects in the environment.	
D-LIMONENE (5989-27-5)		
Persistence and degradability	May cause long-term adverse effects in the environment.	
LINALOOL (78-70-6)		
Persistence and degradability	Readily biodegradable. Not established.	
Biodegradation	100 % 13 DAYS- ZAHN-WELLENS TEST OECD N° 302 B	
ALPHA-TERPINEOL (98-55-5)		
Persistence and degradability	Not established.	
GERANYL ACETATE (105-87-3)		
Persistence and degradability	May cause long-term adverse effects in the environment.	
GERANIOL (106-24-1)		
Persistence and degradability	Readily biodegradable. Not established.	
Biodegradation	80 - 100 % aérobic, Exposure duration 3 days	
METHYL EUGENOL (93-15-2)		
Persistence and degradability	May cause long-term adverse effects in the environment.	
P-CYMENE (99-87-6)		
Persistence and degradability	Readily biodegradable.	
Biodegradation	100 %	
12.3. Bioaccumulative potential		
ALPHA-PINENES (80-56-8)		
Log Pow	4.834	
Bioaccumulative potential	Not established.	
D-LIMONENE (5989-27-5)		
Bioaccumulative potential	Not established.	
0/07/00.40		

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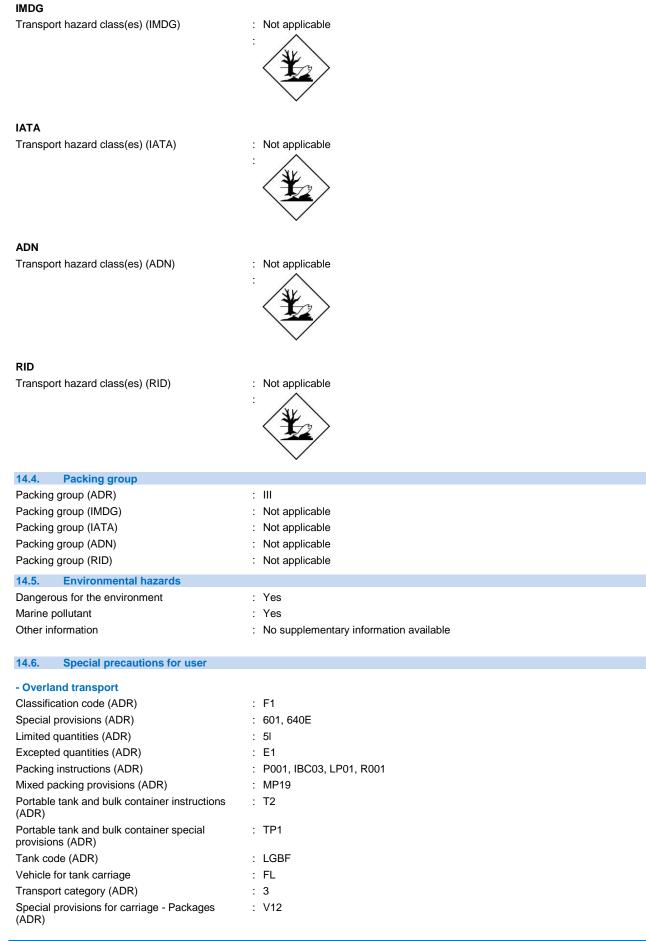
according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

LINALOOL (78-70-6)	
Log Pow	2.97
Bioaccumulative potential	Not established.
ALPHA-TERPINEOL (98-55-5)	
Bioaccumulative potential	Not established.
GERANYL ACETATE (105-87-3)	
Log Kow	4.04
Bioaccumulative potential	Not established.
GERANIOL (106-24-1)	
Log Pow	2.5 at 25 °C
Bioaccumulative potential	Not established.
METHYL EUGENOL (93-15-2)	
Log Kow	3.03
Bioaccumulative potential	Not established.
P-CYMENE (99-87-6)	
Log Kow	4.1
12.4. Mobility in soil	
No additional information available	
12.5. Results of PBT and vPvB assessme	nt
No additional information available	
12.6. Other adverse effects	
No additional information available	
SECTION 13: Disposal consideration	IS
13.1. Waste treatment methods	
Product/Packaging disposal recommendations	: Dispose of contents/container to contents/container to agreemented companies according to national regulations.
Additional information	: Handle empty containers with care because residual vapours are flammable.
Ecology - waste materials	: Hazardous waste due to toxicity.
SECTION 14: Transport information	
In accordance with ADR / RID / IMDG / IATA / AI	DN
14.1. UN number	
UN-No. (ADR)	: 1169
UN-No. (IMDG)	: Not applicable
UN-No. (IATA)	: Not applicable
UN-No. (ADN)	: Not applicable
UN-No. (RID)	: Not applicable
14.2. UN proper shipping name	
Proper Shipping Name (ADR)	: EXTRACTS, AROMATIC, LIQUID
Proper Shipping Name (IMDG)	: Not applicable
Proper Shipping Name (IATA)	: Not applicable
Proper Shipping Name (ADN)	: Not applicable
Proper Shipping Name (RID)	: Not applicable
Transport document description (ADR)	: UN 1169 EXTRACTS, AROMATIC, LIQUID, 3, III, (D/E), ENVIRONMENTALLY HAZARDOUS
14.3. Transport hazard class(es)	
ADR	
Transport hazard class(es) (ADR)	: 3
Danger labels (ADR)	: 3
- , ,	



:

Safety Data Sheet



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according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

Special provisions for carriage - Operation (ADR)	: S2
Hazard identification number (Kemler No.)	: 30
Orange plates	· 30
	116

Tunnel restriction code (ADR)

### - Transport by sea

No data available

### - Air transport

No data available

#### - Inland waterway transport

No data available

### - Rail transport

No data available

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

Not applicable

### SECTION 15: Regulatory information

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

: D/E

### 15.1.1. EU-Regulations

The following restrictions are applicable according to Annex XVII of the REACH Regulation (EC) No 1907/2006:

3. Liquid substances or mixtures which are regarded as dangerous in accordance with Directive 1999/45/EC or are fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008	ALPHA-PINENES - EUCALYPTOL - D- LIMONENE - LINALOOL - ALPHA-TERPINEOL - GERANYL ACETATE - GERANIOL - METHYL EUGENOL - P-CYMENE
3(a) Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard classes 2.1 to 2.4, 2.6 and 2.7, 2.8 types A and B, 2.9, 2.10, 2.12, 2.13 categories 1 and 2, 2.14 categories 1 and 2, 2.15 types A to F	ORGANIC RED MYRTLE OIL TUNISIA - ALPHA-PINENES - EUCALYPTOL - D- LIMONENE - P-CYMENE
3(b) Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard classes 3.1 to 3.6, 3.7 adverse effects on sexual function and fertility or on development, 3.8 effects other than narcotic effects, 3.9 and 3.10	ORGANIC RED MYRTLE OIL TUNISIA - ALPHA-PINENES - D-LIMONENE - LINALOOL - ALPHA-TERPINEOL - GERANYL ACETATE - GERANIOL - METHYL EUGENOL
3(c) Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard class 4.1	ORGANIC RED MYRTLE OIL TUNISIA - ALPHA-PINENES - D-LIMONENE - GERANYL ACETATE - METHYL EUGENOL - P-CYMENE
40. Substances classified as flammable gases category 1 or 2, flammable liquids categories 1, 2 or 3, flammable solids category 1 or 2, substances and mixtures which, in contact with water, emit flammable gases, category 1, 2 or 3, pyrophoric liquids category 1 or pyrophoric solids category 1, regardless of whether they appear in Part 3 of Annex VI to Regulation (EC) No 1272/2008 or not.	ALPHA-PINENES - EUCALYPTOL - D- LIMONENE - P-CYMENE

ORGANIC RED MYRTLE OIL TUNISIA is not on the REACH Candidate List ORGANIC RED MYRTLE OIL TUNISIA is not on the REACH Annex XIV List

### 15.1.2. National regulations

#### Germany

Reference to AwSV	: Water hazard class (WGK) 2, significant hazard to waters (Classification according to AwSV; ID No. 6258)
12th Ordinance Implementing the Federal Immission Control Act - 12.BImSchV	: Is not subject of the 12. BlmSchV (Hazardous Incident Ordinance)

### 15.2. Chemical safety assessment

No additional information available

### **SECTION 16: Other information**

#### Full text of H- and EUH-statements:

Safety Data Sheet

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Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Aquatic Acute 1	Hazardous to the aquatic environment — Acute Hazard, Category 1
Aquatic Chronic 1	Hazardous to the aquatic environment — Chronic Hazard, Category 1
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
Aquatic Chronic 3	Hazardous to the aquatic environment — Chronic Hazard, Category 3
Asp. Tox. 1	Aspiration hazard, Category 1
Carc. 2	Carcinogenicity, Category 2
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Flam. Liq. 3	Flammable liquids, Category 3
Muta. 2	Germ cell mutagenicity, Category 2
Skin Irrit. 2	Skin corrosion/irritation, Category 2
Skin Sens. 1	Skin sensitisation, Category 1
H226	Flammable liquid and vapour.
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H341	Suspected of causing genetic defects.
H351	Suspected of causing cancer.
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.

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product