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Trade name:	Totaquina 15 %	Date of issue:	24.01.2018
		Revision date:	01.03.2022
		Version:	4
		Replaces version:	3
SECTION 1: Identit	ication of the substance/mixture and of	the company/undertaking	
1.1. Product ident	ifier		
Product form	: Mixture		
Product name	: Totaquina 15 %		
UFI	: UFI: GC31-M0V2-500Q-E	QE4	
1.2. Relevant iden	tified uses of the substance or mixture and uses a	dvised against	
1.2.1. Relevant iden	tified uses		
Main use category	: Industrial use. Professiona	al use	
Use of the substance/mi	ture : Intermediate Laboratory chemicals Pharmaceuticals Food additive Raw materials		
1.2.2. Uses advised	against		
No additional information	available		
1.3. Details of the	supplier of the safety data sheet		
Manufacturer/Supplier			
Buchler GmbH Harxbuetteler Straße 3 38110 Braunschweig - G T +49 5307 9310 info@buchler-gmbh.com	ermany - www.buchler-gmbh.com		

Safety data sheet: DLAC Dienstleistungsagentur Chemie GmbH, E-Mail: sds@dlac-gmbh.de

1.4. Emergency telephone number			
Country	Organisation/Company	Address	Emergency number
Germany	Giftinformationszentrum-Nord Zentrum Pharmakologie und Toxikologie der Universität Göttingen	Robert-Koch Strasse 40 D-37075 Göttingen	+49 551 19240 (German/English)

SECTION 2: Hazards identification

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Classification of the substance or mixture 2.1.

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Acute toxicity (oral), Category 4 H302 Sensitisation - Skin, Category 1A H317

Full text of H statements : see section 16

Adverse physicochemical, human health and environmental effects

Harmful if swallowed. May cause an allergic skin reaction.

2.2. Label elements

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Labelling according to Regulation (EC)	No. 1272/2008 [CLP]
Hazard pictograms (CLP)	: 🔨

	GHS07
Signal word (CLP)	: Warning
Hazard statements (CLP)	: H302 - Harmful if swallowed H317 - May cause an allergic skin reaction
Precautionary statements (CLP)	 P261 - Avoid breathing dust P270 - Do not eat, drink or smoke when using this product P280 - Wear protective gloves, protective clothing, eye protection P301+P312 - IF SWALLOWED: Call a POISON CENTER, doctor if you feel unwell P302+P352 - IF ON SKIN: Wash with plenty of water and soap P333+P313 - If skin irritation or rash occurs: Get medical advice/attention

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2.3.	Other hazards		
No addi	tional information available		

SECTION 3: Composition/information on ingredients

Substances 3.1.

Not applicable

3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Quinine	(CAS №) 130-95-0 (EC №) 205-003-2 (REACH №) 01-2120101671-71-xxxx	15 – 17.5	Acute Tox. 4 (Oral), H302 Skin Sens. 1A, H317
Dihydroquinine	(CAS No) 522-66-7 (EC No) 208-334-0		Acute Tox. 4 (Oral), H302 Skin Sens. 1A, H317
Cinchondine	(CAS No) 485-71-2 (EC No) 207-622-3 (REACH No) 01-2120103385-66-xxxx	30 – 40	Acute Tox. 4 (Oral), H302 Skin Sens. 1A, H317
Dihydrocinchondine	(CAS No) 485-64-3 (EC No) 207-620-2		Acute Tox. 4 (Oral), H302 Skin Sens. 1A, H317
Cinchonine	(CAS No) 118-10-5 (EC No) 204-234-6 (REACH No) 01-2120103384-68-xxxx	35 – 50	Acute Tox. 4 (Oral), H302 Skin Sens. 1A, H317
Dihydrocinchonine	(CAS No) 485-65-4 (EC No) 207-621-8		Acute Tox. 4 (Oral), H302 Skin Sens. 1A, H317

Full text of H-statements: see section 16

SECTION 4: First aid measures	
4.1. Description of first aid measur	res
First-aid measures general	 Get medical advice/attention if you feel unwell. If possible show him this sheet. Failing this, show him the packaging or label. Never give anything by mouth to an unconscious person. Place the affected person in the recovery position.
First-aid measures after inhalation	: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
First-aid measures after skin contact	: Take off immediately all contaminated clothing and wash it before reuse. Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention.
First-aid measures after eye contact	: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if preser and easy to do. Continue rinsing.
First-aid measures after ingestion	: Rinse mouth. Drink water as a precaution. Get medical advice/attention.
4.2. Most important symptoms and	l effects, both acute and delayed
Symptoms/injuries	: Signs of cinchonism: Neurotoxic effects (e.g. headache, tinnitus, visual disturbances, confusion), gastrointestinal disorders (e.g. nausea, vomiting, diarrhoea), exanthema and haematological disorders.
Symptoms/injuries after skin contact	: May cause an allergic skin reaction.
Symptoms/injuries after ingestion	: Harmful if swallowed.
4.3. Indication of any immediate m	edical attention and special treatment needed
Treat symptomatically.	
SECTION 5: Firefighting measur	res
5.1. Extinguishing media	
Suitable extinguishing media	: Making extinguishing agents environment-friendly. Water spray. Foam. Carbon dioxide. Dry extinguishing powder.
Unsuitable extinguishing media	: Do not use a heavy water stream.
5.2. Special hazards arising from t	he substance or mixture
Hazardous decomposition products in case fire	e of : Carbon oxides (CO, CO ₂). Nitrogen oxides.
5.3. Advice for firefighters	
Firefighting instructions	: Use water spray or fog for cooling exposed containers. Prevent fire-fighting water from enterin

: Use a self-contained breathing apparatus and also a protective suit (EN 469).

Protection during firefighting

environment.

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SECTION 6: Accidental release	measures		
6.1. Personal precautions, protect	tive equipment and emergency procedu	ires	
General measures	: Stop leak if safe to do so. Provi not breathe dust.	de adequate ventilation. Avoid contact v	vith skin and eyes. Do
6.1.1. For non-emergency personne	əl		
Emergency procedures	: Only qualified personnel equipp	ped with suitable protective equipment n	nay intervene.
6.1.2. For emergency responders			
Protective equipment	: Use personal protective equipm insufficient ventilation.	nent as required. Wear suitable respirate	ory equipment in case of
6.2. Environmental precautions			
Prevent entry to sewers and public water	s. Notify authorities if substance enters sev	vers or public waters.	
6.3. Methods and material for cor	tainment and cleaning up		
Methods for cleaning up		g, shovelling) and collect in suitable cor spose of in accordance with relevant loc	
6.4. Reference to other sections			
Concerning personal protective equipment	nt to use, see section 8. Concerning dispos	al elimination after cleaning, see section	n 13.
SECTION 7: Handling and stor	age		
7.1. Precautions for safe handling	l		
Precautions for safe handling	: Provide local exhaust or genera and eyes. Keep container close	al room ventilation. Avoid dust formation ad when not in use.	. Avoid contact with skin
Hygiene measures	Hygiene measures : Handle in accordance with good industrial hygiene and safety procedures. When using do no eat, drink or smoke. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Take off contaminated clothing and wash before reuse.		ap and water before
7.2. Conditions for safe storage, i	ncluding any incompatibilities		
Storage conditions	: Store in original container. Store sunlight. Protect from moisture.	e tightly closed in a dry and cool place.	Keep out of direct
Storage temperature	: This substance dose not require	e any special temperature storage cond	itions.
Prohibitions on mixed storage	: Keep away from food, drink and	d animal feedingstuffs.	
7.3. Specific end use(s)			
No additional information available			
SECTION 8: Exposure controls	/personal protection		
8.1. Control parameters			
No additional information available			
8.2. Exposure controls			
Appropriate engineering controls:			

Use adequate ventilation. Avoid dust formation.

Hand protection:

Wear suitable gloves (EN 374). Latex. Nitrile rubber. Butyl rubber. 0.4 mm. The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed

Eye protection:

Chemical goggles or safety glasses (EN 166).

Skin and body protection:

Wear suitable protective clothing (EN 344).

Respiratory protection:

Where exposure through inhalation may occur from use, respiratory protection is recommended. Dust production: dust mask with filter type P2.

Environmental exposure controls:

Avoid release to the environment.

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SECTION 9: Physical and chemical properties		
9.1. Information on basic physical and o	chemical properties	
Physical state	: Solid	
Colour	: Beige-brown	
Odour	: Odourless	
Melting point/freezing point	: 185 °C	
Boiling point or initial boiling point and boiling range	: No data available	
Flammability	: No data available	
Lower and upper explosion limit	: Not applicable	
Flash point	: Not applicable	
Auto-ignition temperature	: 410 °C	
Decomposition temperature	: No data available	
рН	: 9.0 – 10.0	
Kinematic viscosity	: Not applicable	
Solubility	: Water: 0.5 g/l	
Partition coefficient n-octanol/water (log value)	: 3.17 (Quinine)	
Vapour pressure	: No data available	
Density and/or relative density	: No data available	
Relative vapour density	: Not applicable	
Particle characteristics	: No data available	
9.2. Other information		
Explosive properties	: The substance is not explosive. Dust can form an explosive mixture with air.	
Oxidising properties	: The substance has no oxidising properties	
Minimum ignition energy	: 1 - 3 mJ (Quinine)	
Bulk density	: 100 - 200 kg/m³	
SECTION 10: Stability and reactivity	·	
10.1. Reactivity		

No dangerous reactions known under normal conditions of use.

10.2. **Chemical stability**

Stable under use and storage conditions as recommended in section 7 for a minimum of 5 years.

10.3. Possibility of hazardous reactions

None under normal use.

10.4. **Conditions to avoid**

Direct sunlight. High temperature. The degradation product quinicine is formed.

Incompatible materials 10.5.

Oxidizing agent.

Hazardous decomposition products 10.6.

In case of fire: Carbon monoxide. Carbon dioxide. Nitrogen oxides.

SECTION 11: Toxicological information	
11.1. Information on hazar	d classes as defined in Regulation (EC) No 1272/2008
Acute toxicity	: Oral: Harmful if swallowed.
Quinine (130-95-0)	
LD50 oral rat	350.82 mg/kg
LD50 oral guinea pig	1800 mg/kg
Skin corrosion/irritation	: Not classified
	Based on available data, the classification criteria are not met
	pH: 9.0 – 10.0

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Serious eye damage/irritation	: May cause slight irr Based on available pH: 9.0 – 10.0	itation to eyes data, the classification criteria are not met	
Respiratory or skin sensitisation Germ cell mutagenicity	: May cause an allerg : Not classified	gic skin reaction. data, the classification criteria are not met	
Carcinogenicity	: Not classified Based on available	data, the classification criteria are not met	
Reproductive toxicity Specific target organ toxicity (single expo		data, the classification criteria are not met	
Specific target organ toxicity (repeated exposure)	: Not classified	data, the classification criteria are not met	
Aspiration hazard	: Not classified	data, the classification criteria are not met data, the classification criteria are not met	
11.2. Information on other hazards			
Potential adverse human health effects a symptoms	nd : Signs of cinchonism	n: Neurotoxic effects (e.g. headache, tinnitus, visua itestinal disorders (e.g. nausea, vomiting, diarrhoea orders.	
SECTION 12: Ecological inform	nation		
12.1. Toxicity			
Acute aquatic toxicity Chronic aquatic toxicity	: Not classified : Not classified		
Quinine (130-95-0)			
LC50 fish	431.85 mg/l 96 h, D		
LC50 fish	26.1 mg/l 96 h, lctal		
EC50 daphnia EC50 daphnia	34.4 mg/l 24 h, Dap 25.4 mg/l 24 h, Dap	-	
ErC50 algae	11.13 mg/l 72 h, Du		
Cinchonidine (485-71-2)	11.10 mg/172 m, Bu		
EC50 daphnia	68.09 mg/l 48 h, Da	phnia magna	
Cinchonine (118-10-5)	;···;,		
EC50 daphnia	79.96 mg/l 24 h, Da	phnia magna	
EC50 daphnia	14.25 mg/l 48 h, Da	phnia magna	
12.2. Persistence and degradabilit	У		
Quinine (130-95-0)			
Persistence and degradability	Readily biodegradal	ble.	
Biodegradation	86.3 % 28 d (OECD	9 301 B)	
Cinchonidine (485-71-2)			
Persistence and degradability	Readily biodegradal		
Biodegradation	81.2 % 28 d (OECD	Э 301 В)	
Cinchonine (118-10-5)	Doodily his dame del	bla	
Persistence and degradability Biodegradation	Readily biodegradal 72 – 96.9 % 28 d (C		
12.3. Bioaccumulative potential	12 - 30.3 % 20 U (C		
Quinine (130-95-0)			
Bioconcentration factor (BCF REACH)	48		
Log Pow	3.17		
Bioaccumulative potential	Low bioaccumulatio	n potential	
Cinchonidine (485-71-2)			
Bioconcentration factor (BCF REACH)	18.7		
01.03.2022	EN (English)		5/8

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Cinchonidine (485-71-2)			
Log Pow	2.82		
Bioaccumulative potential	Low bioaccumulation potential.		
Cinchonine (118-10-5)			
Bioconcentration factor (BCF REACH)	18.7		
Log Pow	2.82		
Bioaccumulative potential	Low bioaccumulation potential.		
12.4. Mobility in soil			
Quinine (130-95-0)			
Log Koc	2.41 - 4.07		
Cinchonidine (485-71-2)			
Log Koc	2-4.26		
Cinchonine (118-10-5)	· · · · · · · · · · · · · · · · · · ·		
Log Koc	2 – 4.26		
12.5. Results of PBT and vPvB asse	ssment		
This substance does not meet the PBT- or	vPvB criteria of REACH regulation, annex	x XIII.	
12.6. Endocrine disrupting propertie	-		
No additional information available			
12.7. Other adverse effects			
No additional information available			
SECTION 42: Dispessel consider			
SECTION 13: Disposal consider	allons		
13.1. Waste treatment methods	· Dianaga in a sofe menner in ag	ordenee with level/petienel regulations	
Regional legislation (waste) Waste treatment methods	•	cordance with local/national regulations nust be disposed of as hazardous was	
	domestic waste. Do not empty i		·
Waste disposal recommendations	recyclable like any other packing		
European List of Waste (LoW) code		GANIC CHEMICAL PROCESSES ufacture, formulation, supply and use (MFSU) of basic organic
Waste code	depends on the waste producer	ing to the Ordinance on the European r and can therefore vary for any given p ed separately from each waste produc	roduct. The waste code
SECTION 14: Transport informa	tion		
In accordance with ADR / IMDG / IATA			
14.1. UN number or ID number	. Net an Braker		
UN-No. (ADR)	: Not applicable		
UN-No. (IMDG) UN-No. (IATA)	: Not applicable : Not applicable		
, , , , , , , , , , , , , , , , , , ,			
14.2. UN proper shipping name			
Proper Shipping Name (ADR)	: Not applicable		
Proper Shipping Name (IMDG)	: Not applicable		
Proper Shipping Name (IATA)	: Not applicable		
14.3. Transport hazard class(es)			
ADR			
Transport hazard class(es) (ADR)	: Not applicable		
IMDG			
Transport hazard class(es) (IMDG)	: Not applicable		
ΙΑΤΑ			
Transport hazard class(es) (IATA)	: Not applicable		

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14.4. Packing gro	pup		
Packing group (ADR)		Not applicable	
Packing group (IMDG)		Not applicable	
Packing group (IATA)	:	Not applicable	
14.5. Environmer	ntal hazards		
Dangerous for the env	ironment :	No	
Marine pollutant	:	No	
Other information	:	No supplementary information available	
14.6. Special pre	cautions for user		
- Overland transport Not applicable			
- Transport by sea Not applicable			
- Air transport			
Not applicable			
14.7. Maritime tra	insport in bulk according t	o IMO instruments	
Not applicable			
SECTION 15: Reg	gulatory information		
15.1. Safety, heal	th and environmental regu	lations/legislation specific for the substance or mixture	
15.1.1. EU-Regulat	_		
•			
Contains no substance	e on the REACH candidate li nnex XIV substances	51	
15.1.2. National reg	ulations		
No additional informati			
15.2. Chemical sa	afety assessment		
	hemical safety assessment v	vas not carried out.	
SECTION 16: Oth	er information		
SECTION 16: Oth Data source		REGULATION (EC) No 1272/2008 OF THE EUROPEAN PA COUNCIL of 16 December 2008 on classification, labelling al mixtures, amending and repealing Directives 67/548/EEC and Regulation (EC) No 1907/2006	nd packaging of substances and
Data source Changes compared to	earlier Versions	COUNCIL of 16 December 2008 on classification, labelling an mixtures, amending and repealing Directives 67/548/EEC and Regulation (EC) No 1907/2006 Section 3.1	nd packaging of substances and
Data source Changes compared to Review	earlier Versions	COUNCIL of 16 December 2008 on classification, labelling at mixtures, amending and repealing Directives 67/548/EEC and Regulation (EC) No 1907/2006	nd packaging of substances and
Data source Changes compared to Review Abbreviations and acre	earlier Versions :	COUNCIL of 16 December 2008 on classification, labelling and mixtures, amending and repealing Directives 67/548/EEC and Regulation (EC) No 1907/2006 Section 3.1	nd packaging of substances and d 1999/45/EC, and amending
Data source Changes compared to Review Abbreviations and acro ADR	earlier Versions : onyms: European Agreement cor	COUNCIL of 16 December 2008 on classification, labelling an mixtures, amending and repealing Directives 67/548/EEC and Regulation (EC) No 1907/2006 Section 3.1 -	nd packaging of substances and d 1999/45/EC, and amending ad
Data source Changes compared to Review Abbreviations and acro ADR CLP	earlier Versions : onyms: European Agreement col Regulation (EC) No 1272	COUNCIL of 16 December 2008 on classification, labelling an mixtures, amending and repealing Directives 67/548/EEC and Regulation (EC) No 1907/2006 Section 3.1 - - 	nd packaging of substances and d 1999/45/EC, and amending ad
Data source Changes compared to Review Abbreviations and acro ADR CLP DMEL	earlier Versions : onyms: European Agreement co Regulation (EC) No 1272 Derived Minimal Effect Le	COUNCIL of 16 December 2008 on classification, labelling an mixtures, amending and repealing Directives 67/548/EEC and Regulation (EC) No 1907/2006 Section 3.1 - - 	nd packaging of substances and d 1999/45/EC, and amending ad
Data source Changes compared to Review Abbreviations and acro ADR CLP DMEL DNEL	earlier Versions : onyms: European Agreement co Regulation (EC) No 1272 Derived Minimal Effect Level	COUNCIL of 16 December 2008 on classification, labelling an mixtures, amending and repealing Directives 67/548/EEC and Regulation (EC) No 1907/2006 Section 3.1 - cerning the International Carriage of Dangerous Goods by Roa /2008 on classification, labelling and packaging of substances evel	nd packaging of substances and d 1999/45/EC, and amending ad and mixtures
Data source Changes compared to Review Abbreviations and acro ADR CLP DMEL	earlier Versions : onyms: European Agreement co Regulation (EC) No 1272 Derived Minimal Effect Level	COUNCIL of 16 December 2008 on classification, labelling and mixtures, amending and repealing Directives 67/548/EEC and Regulation (EC) No 1907/2006 Section 3.1 - 	nd packaging of substances and d 1999/45/EC, and amending ad and mixtures
Data source Changes compared to Review Abbreviations and acro ADR CLP DMEL DNEL EC50	earlier Versions	COUNCIL of 16 December 2008 on classification, labelling and mixtures, amending and repealing Directives 67/548/EEC and Regulation (EC) No 1907/2006 Section 3.1 - 	nd packaging of substances and d 1999/45/EC, and amending ad and mixtures edian Effective Concentration)
Data source Changes compared to Review Abbreviations and acro ADR CLP DMEL DNEL EC50 IATA	earlier Versions : onyms: European Agreement cor Regulation (EC) No 1272 Derived Minimal Effect Level Derived No-Effect Level The effective concentration International Air Transpo	COUNCIL of 16 December 2008 on classification, labelling and mixtures, amending and repealing Directives 67/548/EEC and Regulation (EC) No 1907/2006 Section 3.1 - 	nd packaging of substances and d 1999/45/EC, and amending ad and mixtures edian Effective Concentration)
Data source Changes compared to Review Abbreviations and acro ADR CLP DMEL DNEL EC50 IATA IMDG	earlier Versions : onyms: European Agreement cor Regulation (EC) No 1272 Derived Minimal Effect Led Derived No-Effect Level The effective concentration International Air Transpo "International Maritime Di Lethal Concentration to 5	COUNCIL of 16 December 2008 on classification, labelling and mixtures, amending and repealing Directives 67/548/EEC and Regulation (EC) No 1907/2006 Section 3.1 - - 	nd packaging of substances and d 1999/45/EC, and amending ad and mixtures edian Effective Concentration)
Data source Changes compared to Review Abbreviations and acro ADR CLP DMEL DNEL EC50 IATA IMDG LC50 LD50 LOAEL	earlier Versions : onyms: European Agreement cor Regulation (EC) No 1272 Derived Minimal Effect Led Derived No-Effect Level The effective concentration International Air Transpo "International Maritime Di Lethal Concentration to 5	COUNCIL of 16 December 2008 on classification, labelling and mixtures, amending and repealing Directives 67/548/EEC and Regulation (EC) No 1907/2006 Section 3.1 - - 	nd packaging of substances and d 1999/45/EC, and amending ad and mixtures edian Effective Concentration)
Data source Changes compared to Review Abbreviations and acro ADR CLP DMEL DNEL EC50 IATA IMDG LC50 LD50 LOAEL NOAEC/L	earlier Versions Duryms: European Agreement con Regulation (EC) No 1272 Derived Minimal Effect Level The effective concentration International Air Transpon "International Maritime Do Lethal Concentration to 5 Lethal Dose to 50% of a Lowest Observed Adverse Effective No Observed Adverse Effective No Observed Adverse Effective No Observed Adverse Effective Derived Adverse Effective Concentration Adverse Effective	COUNCIL of 16 December 2008 on classification, labelling and mixtures, amending and repealing Directives 67/548/EEC and Regulation (EC) No 1907/2006 Section 3.1 - 	nd packaging of substances and d 1999/45/EC, and amending ad and mixtures edian Effective Concentration)
Data source Changes compared to Review Abbreviations and acro ADR CLP DMEL DNEL EC50 IATA IMDG LC50 LD50 LOAEL NOAEC/L NOEC/L	earlier Versions Duryms: European Agreement con Regulation (EC) No 1272 Derived Minimal Effect Level The effective concentration International Air Transpon "International Maritime Divisional Maritime	COUNCIL of 16 December 2008 on classification, labelling and mixtures, amending and repealing Directives 67/548/EEC and Regulation (EC) No 1907/2006 Section 3.1 - 	nd packaging of substances and d 1999/45/EC, and amending ad and mixtures edian Effective Concentration)
Data source Changes compared to Review Abbreviations and acro ADR CLP DMEL DNEL EC50 IATA IMDG LC50 LD50 LOAEL NOAEC/L NOEC/L OECD	earlier Versions	COUNCIL of 16 December 2008 on classification, labelling and mixtures, amending and repealing Directives 67/548/EEC and Regulation (EC) No 1907/2006 Section 3.1 - 	nd packaging of substances and d 1999/45/EC, and amending ad and mixtures edian Effective Concentration)
Data source Changes compared to Review Abbreviations and acro ADR CLP DMEL DNEL EC50 IATA IMDG LC50 LD50 LOAEL NOAEC/L NOEC/L OECD PBT	earlier Versions Dryms: European Agreement cor Regulation (EC) No 1272 Derived Minimal Effect Level The effective concentration International Air Transpon "International Maritime Do Lethal Concentration to 5 Lethal Dose to 50% of a Lowest Observed Adverse Eff No Observed Adverse Eff No Observed Effect Concord Organisation for Econom Persistent, Bioaccumulat	COUNCIL of 16 December 2008 on classification, labelling and mixtures, amending and repealing Directives 67/548/EEC and Regulation (EC) No 1907/2006 Section 3.1 - - 	nd packaging of substances and d 1999/45/EC, and amending ad and mixtures edian Effective Concentration)
Data source Changes compared to Review Abbreviations and acro ADR CLP DMEL DNEL EC50 IATA IMDG LC50 LD50 LOAEL NOAEC/L NOEC/L OECD	earlier Versions European Agreement cor Regulation (EC) No 1272 Derived Minimal Effect Level The effective concentration International Air Transpon "International Maritime Do Lethal Concentration to 5 Lethal Dose to 50% of a Lowest Observed Adverse Eff No Observed Adverse Eff No Observed Effect Conco Organisation for Econom Persistent, Bioaccumulat Predicted No-Effect Conco	COUNCIL of 16 December 2008 on classification, labelling and mixtures, amending and repealing Directives 67/548/EEC and Regulation (EC) No 1907/2006 Section 3.1 - - 	nd packaging of substances and d 1999/45/EC, and amending ad and mixtures edian Effective Concentration) y sea

May cause an allergic skin reaction

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SDS	Safety Data Sheet			
STP	Sewage Treatment Plant			
UFI	Unique Formula Identifier			
vPvB	Very Persistent and Very Bioaccumulative			
Full text of H- and EUH-statements:				
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4			
Skin Sens. 1A	Sensitisation - Skin, Category 1A			
H302	Harmful if swallowed			

SDS EU (REACH Annex II)

H317

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.