according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878



Cinchonine Base, Anhydrous



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SECTION 1: Identification of the substance/mixture and of the company/undertaking 1.1. **Product identifier** Product form : Substance Substance name : Cinchonine Base, Anhydrous **IUPAC** name : (S)-[(2R,4S,5R)-5-Ethenyl-1-azabicyclo[2.2.2]oct-2-yl] (quinolin-4-yl)methanol EC No : 204-234-6 CAS No : 118-10-5 **REACH** registration No : 01-2120103384-68-xxxx : C19H22N2O Formula Synonyms : Cinchonan-9-ol, (9S)- / Cinchonan-9-ol, (9S)-1.2. Relevant identified uses of the substance or mixture and uses advised against **Relevant identified uses** 1.2.1. : Industrial use. Professional use. Main use category Use of the substance/mixture : Intermediate Laboratory chemicals Pharmaceuticals Plant Protection products 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 - Germany T +49 5307 9310 info@buchler-gmbh.com - 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	Robert-Koch-Straße 40	+49 551 19240
	Zentrum Pharmakologie und Toxikologie der Universität Göttingen	D-37075 Göttingen	(German/English)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

Labelling according to Regulation (EC) No.	o. 1272/200	08 [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.

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		P280 - Wear protective gloves, pro P301+P312 - IF SWALLOWED: C P302+P352 - IF ON SKIN: Wash v P333+P313 - If skin irritation or ras	otective clothing, e all a POISON CEI vith plenty of soap	eye protection. NTER, doctor if you and water.	feel unwell.
2.3. Other hazards No additional information availa	ıble				
SECTION 3: Composition	on/infor	mation on ingredients			
3.1. Substances					
Substance name		: Cinchonine Base, Anhydrous			
EC No		: 204-234-6			
CAS No		: 118-10-5			
Name		Product identifier	%	Classification a Regulation (EC)	ccording to No. 1272/2008 [CLP]
Cinchonine Base, Anhydrous		(CAS No) 118-10-5 (EC No) 204-234-6 (REACH No) 01-2120103384-68-xxxx	≥ 98.5	Acute Tox. 4 (Oral) Skin Sens. 1A, H3	, H302 I7
Full text of H-statements: see se	ection 16				
3.2. Mixtures					
Not applicable					
SECTION 4: First aid me	easures				
4.1. Description of first a	aid measu	Ires			
First-aid measures general		: Get medical advice/attention if yo show him the packaging or label. Place the affected person in the r	Never give anyth		
First-aid measures after inhalati	ion	: Remove victim to fresh air and ke	ep at rest in a po	sition comfortable fo	or breathing.
First-aid measures after skin co	ntact	: 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.			
	ntact	: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if prese and easy to do. Continue rinsing.			
		and easy to do. Continue rinsing.			
First-aid measures after eye con First-aid measures after ingestio					
First-aid measures after ingestio	on	and easy to do. Continue rinsing. Rinse mouth. Drink plenty of wate deffects, both acute and delayed	er as a precaution	. Get medical advic	e/attention.
First-aid measures after ingestic	on	and easy to do. Continue rinsing. : Rinse mouth. Drink plenty of wate	er as a precaution	. Get medical advic ache, tinnitus, visua	e/attention.
First-aid measures after ingestic 4.2. Most important sym Symptoms/injuries Symptoms/injuries after skin con	on ptoms ar ntact	and easy to do. Continue rinsing. Rinse mouth. Drink plenty of wate deffects, both acute and delayed Signs of cinchonism: Neurotoxic confusion), gastrointestinal disord	er as a precaution effects (e.g. heada lers (e.g. nausea,	. Get medical advic ache, tinnitus, visua	e/attention.
First-aid measures after ingestic 4.2. Most important sym Symptoms/injuries Symptoms/injuries after skin con Symptoms/injuries after ingestic	on ptoms an ntact on	 and easy to do. Continue rinsing. Rinse mouth. Drink plenty of wate deffects, both acute and delayed Signs of cinchonism: Neurotoxic confusion), gastrointestinal disord haematological disorders. May cause an allergic skin reactions Harmful if swallowed. 	er as a precaution effects (e.g. heada lers (e.g. nausea, on.	. Get medical advic ache, tinnitus, visua	e/attention.
First-aid measures after ingestion 4.2. Most important sym Symptoms/injuries Symptoms/injuries after skin con Symptoms/injuries after ingestion 4.3. Indication of any important	on ptoms an ntact on	and easy to do. Continue rinsing. Rinse mouth. Drink plenty of wate deffects, both acute and delayed Signs of cinchonism: Neurotoxic confusion), gastrointestinal disord haematological disorders. May cause an allergic skin reaction	er as a precaution effects (e.g. heada lers (e.g. nausea, on.	. Get medical advic ache, tinnitus, visua	e/attention.
First-aid measures after ingestion 4.2. Most important sym Symptoms/injuries Symptoms/injuries after skin con Symptoms/injuries after ingestic 4.3. Indication of any important Treat symptomatically.	on ptoms an ntact on mediate r	and easy to do. Continue rinsing. Rinse mouth. Drink plenty of water deffects, both acute and delayed Signs of cinchonism: Neurotoxic confusion), gastrointestinal disord haematological disorders. May cause an allergic skin reaction Harmful if swallowed. medical attention and special treatment no	er as a precaution effects (e.g. heada lers (e.g. nausea, on.	. Get medical advic ache, tinnitus, visua	e/attention.
First-aid measures after ingestion 4.2. Most important sym Symptoms/injuries Symptoms/injuries after skin con Symptoms/injuries after ingestic 4.3. Indication of any import Treat symptomatically. SECTION 5: Firefighting	on ptoms an ntact on mediate r	and easy to do. Continue rinsing. Rinse mouth. Drink plenty of water deffects, both acute and delayed Signs of cinchonism: Neurotoxic confusion), gastrointestinal disord haematological disorders. May cause an allergic skin reaction Harmful if swallowed. medical attention and special treatment no	er as a precaution effects (e.g. heada lers (e.g. nausea, on.	. Get medical advic ache, tinnitus, visua	e/attention.
First-aid measures after ingestic 4.2. Most important sym Symptoms/injuries Symptoms/injuries after skin con Symptoms/injuries after ingestic 4.3. Indication of any import Treat symptomatically. SECTION 5: Firefighting 5.1. Extinguishing media	on ptoms an ntact on mediate r	and easy to do. Continue rinsing. Rinse mouth. Drink plenty of water and effects, both acute and delayed Signs of cinchonism: Neurotoxic confusion), gastrointestinal disord haematological disorders. May cause an allergic skin reaction Harmful if swallowed. medical attention and special treatment neuron ITES Making extinguishing agents env	er as a precaution effects (e.g. heada lers (e.g. nausea, on.	. Get medical advic ache, tinnitus, visua vomiting, diarrhoea	e/attention. I disturbances, a), exanthema and
First-aid measures after ingestic 4.2. Most important sym Symptoms/injuries Symptoms/injuries after skin con Symptoms/injuries after ingestic 4.3. Indication of any import Treat symptomatically. SECTION 5: Firefighting 5.1. Extinguishing media Suitable extinguishing media	on ptoms an ntact on mediate r c) measu a	and easy to do. Continue rinsing. Rinse mouth. Drink plenty of water and effects, both acute and delayed Signs of cinchonism: Neurotoxic confusion), gastrointestinal disord haematological disorders. May cause an allergic skin reaction Harmful if swallowed. medical attention and special treatment neuronal ITES	er as a precaution effects (e.g. heada lers (e.g. nausea, on. eeded ronment-friendly.	. Get medical advic ache, tinnitus, visua vomiting, diarrhoea	e/attention. I disturbances, a), exanthema and
First-aid measures after ingestion 4.2. Most important syme Symptoms/injuries Symptoms/injuries after skin cons Symptoms/injuries after ingestic 4.3. Indication of any import Treat symptomatically. SECTION 5: Firefighting 5.1. Extinguishing media Suitable extinguishing media	on ptoms an ntact on mediate r g measu	and easy to do. Continue rinsing. : Rinse mouth. Drink plenty of water id effects, both acute and delayed : Signs of cinchonism: Neurotoxic confusion), gastrointestinal disord haematological disorders. : May cause an allergic skin reaction : Harmful if swallowed. medical attention and special treatment neuron Irres : Making extinguishing agents env extinguishing powder. : Do not use a heavy water stream	er as a precaution effects (e.g. heada lers (e.g. nausea, on. eeded ronment-friendly.	. Get medical advic ache, tinnitus, visua vomiting, diarrhoea	e/attention. I disturbances, a), exanthema and
First-aid measures after ingestion 4.2. Most important syme Symptoms/injuries Symptoms/injuries after skin cond Symptoms/injuries after ingestion 4.3. Indication of any import Treat symptomatically. SECTION 5: Firefighting 5.1. Extinguishing media Suitable extinguishing media Unsuitable extinguishing media 5.2. Special hazards aris Hazardous decomposition product	on ptoms an ntact on mediate r g measu a sing from	and easy to do. Continue rinsing. : Rinse mouth. Drink plenty of water id effects, both acute and delayed : Signs of cinchonism: Neurotoxic confusion), gastrointestinal disord haematological disorders. : May cause an allergic skin reaction : Harmful if swallowed. medical attention and special treatment medical ITES : Making extinguishing agents env extinguishing powder. : Do not use a heavy water stream the substance or mixture	er as a precaution effects (e.g. heada lers (e.g. nausea, on. eeded ronment-friendly.	. Get medical advic ache, tinnitus, visua vomiting, diarrhoea	e/attention. I disturbances, a), exanthema and
First-aid measures after ingestion 4.2. Most important syme Symptoms/injuries Symptoms/injuries after skin conservation Symptoms/injuries after ingestion 4.3. Indication of any import Treat symptomatically. SECTION 5: Firefighting 5.1. Extinguishing media Suitable extinguishing media Unsuitable extinguishing media 5.2. Special hazards ariss Hazardous decomposition production	on ptoms an ntact on mediate r) measu a sing from ucts in cas	and easy to do. Continue rinsing. : Rinse mouth. Drink plenty of water id effects, both acute and delayed : Signs of cinchonism: Neurotoxic confusion), gastrointestinal disord haematological disorders. : May cause an allergic skin reaction : Harmful if swallowed. medical attention and special treatment medical Ires : Making extinguishing agents env extinguishing powder. : Do not use a heavy water stream the substance or mixture	er as a precaution effects (e.g. heada lers (e.g. nausea, on. eeded ronment-friendly.	. Get medical advic ache, tinnitus, visua vomiting, diarrhoea	e/attention. I disturbances, a), exanthema and
First-aid measures after ingestion 4.2. Most important sym Symptoms/injuries Symptoms/injuries after skin cons Symptoms/injuries after ingestic 4.3. Indication of any import Treat symptomatically. SECTION 5: Firefighting 5.1. Extinguishing media Suitable extinguishing media Unsuitable extinguishing media 5.2. Special hazards aris Hazardous decomposition product	on ptoms an ntact on mediate r) measu a sing from ucts in cas	and easy to do. Continue rinsing. : Rinse mouth. Drink plenty of water id effects, both acute and delayed : Signs of cinchonism: Neurotoxic confusion), gastrointestinal disord haematological disorders. : May cause an allergic skin reaction : Harmful if swallowed. medical attention and special treatment medical Ires : Making extinguishing agents env extinguishing powder. : Do not use a heavy water stream the substance or mixture	er as a precaution effects (e.g. head ders (e.g. nausea, on. eeded ronment-friendly. en oxides.	. Get medical advic ache, tinnitus, visua vomiting, diarrhoea Water spray. Foam	e/attention. I disturbances, a), exanthema and . Carbon dioxide. Dry



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SECTION & Assi	dontal valages mas			-
	dental release mea			
6.1. Personal pre General measures	ecautions, protective e	quipment and emergency procedures : Stop leak if safe to do so. Provide a	dequate ventilation. Avoid contact	with skin and eves. Do
General measures		not breathe dust.	lucquate ventilation. Avoid contact	with skill and eyes. Do
6.1.1. For non-eme	ergency personnel			
Emergency procedures	;	: Only qualified personnel equipped v	with suitable protective equipment	may intervene.
6.1.2. For emerger	ncy responders			
Protective equipment		: Use personal protective equipment insufficient ventilation.	as required. Wear suitable respira	tory equipment in case of
6.2. Environmen	tal precautions			
Prevent entry to sewers	s and public waters. Noti	fy authorities if substance enters sewers	or public waters.	
6.3. Methods and	d material for containm	ent and cleaning up		
Methods for cleaning up	p	: Take up mechanically (sweeping, s Minimize generation of dust. Dispos		
6.4. Reference to	o other sections			
Concerning personal	rotective equipment to us	se, see section 8. Concerning disposal e	limination after cleaning, see section	on 13.
SECTION 7: Hand	lling and storage			
7.1. Precautions	for safe handling			
Precautions for safe ha	ndling	: Provide local exhaust or general roo and eyes. Keep container closed wi		n. Avoid contact with sk
Hygiene measures		 Handle in accordance with good inc eat, drink or smoke. Wash hands ar eating, drinking or smoking and whe before reuse. 	nd other exposed areas with mild s	oap and water before
7.2. Conditions f	or safe storage, includ	ing any incompatibilities		
Storage conditions		: Store in original container. Store tig sunlight. Protect from moisture.	htly closed in a dry and cool place.	Keep out of direct
Storage temperature		: This substance dose not require an	y special temperature storage con	ditions.
Prohibitions on mixed s	torage	: Keep away from food, drink and ani	imal feedingstuffs.	
7.3. Specific end	l use(s)			
No additional information	on available			
SECTION 8: Expo	sure controls/pers	sonal protection		
8.1. Control para	meters			
Cinchonine Base An	hydrous (118-10-5)			
PNEC (Water)				
PNEC aqua (freshwat	ter)	0.0114 mg/l		

PNEC (Water)		
PNEC aqua (freshwater)	0.0114 mg/l	
PNEC aqua (marine water)	0.0011 mg/l	
PNEC aqua (intermittent, freshwater)	0.114 mg/l	
PNEC (Sediment)		
PNEC sediment (freshwater)	4.52 mg/kg dwt	
PNEC sediment (marine water)	0.452 mg/kg dwt	
PNEC (Soil)		
PNEC soil	4.52 mg/kg dwt	
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).

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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.

SECTION 9: Physical and chemical	properties
9.1. Information on basic physical and o	hemical properties
Physical state	: Solid, Powder
Colour	: White
Odour	: Odourless
Melting point/freezing point	: 250 - 255 °C
Boiling point or initial boiling point and boiling range	: Not applicable
Flammability	: No data available
Lower and upper explosion limit	: No data available
Flash point	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: 250 - 255 °C
рН	: 9.0
Kinematic viscosity	: Not applicable
Solubility	: Water: 0.06 g/l
Partition coefficient n-octanol/water (log value)	: 2.82
Vapour pressure	: No data available
Density and/or relative density	: 1.2 g/cm ³
Relative vapour density	: No data available
Particle characteristics	: No data available
9.2. Other information	
Molecular mass	: 294.4 g/mol
Bulk density	: 130 kg/m³
Explosive properties	: The substance is not explosive. Dust can form an explosive mixture with air.
Oxidising properties	: The substance has no oxidising properties.

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.

10.5. Incompatible materials

Oxidizing agents.

10.6. Hazardous decomposition products

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

SECTION 11: Toxicological information

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

Acute toxicity

: Oral: Harmful if swallowed.

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Cinchonine Base, Anhydrous (118-10-5)	
LD50 oral rat	350.82 mg/kg (Quinine)
Skin corrosion/irritation	: Not classified
	Based on available data, the classification criteria are not met
	pH: 9.0
Serious eye damage/irritation	: May cause slight irritation to eyes.
	Based on available data, the classification criteria are not met
	pH: 9.0
Respiratory or skin sensitisation	: May cause an allergic skin reaction.
Germ cell mutagenicity	: Not classified
	Based on available data, the classification criteria are not met
Carcinogenicity	: Not classified
	Based on available data, the classification criteria are not met
Reproductive toxicity	: Not classified
	Based on available data, the classification criteria are not met
Specific target organ toxicity (single exposure)	: Not classified
	Based on available data, the classification criteria are not met
Specific target organ toxicity (repeated	: Not classified
exposure)	Based on available data, the classification criteria are not met
Aspiration hazard	: Not classified
	Based on available data, the classification criteria are not met
11.2. Information on other hazards	
Potential adverse human health effects and symptoms	: Signs of cinchonism: Neurotoxic effects (e.g. headache, tinnitus, visual disturbances, confusion), gastrointestinal disorders (e.g. nausea, vomiting, diarrhoea), exanthema and haematological disorders.

SECTION 12: Ecological information			
12.1. Toxicity			
Acute aquatic toxicity	: Not classified		
Chronic aquatic toxicity	: Not classified		
Cinchonine Base, Anhydrous (118-10-5)			
EC50 daphnia	79.96 mg/l 24 h, Daphnia magna		
EC50 Daphnia	14.25 mg/l 48 h, Daphnia magna		
ErC50 algae	11.13 mg/l 72 h, Dunaliella salina (Quinine)		
12.2. Persistence and degradability			
Cinchonine Base, Anhydrous (118-10-5)			
Persistence and degradability	Readily biodegradable.		
Biodegradation	72 - 96.9 % 28 d (OECD 301 B)		
12.3. Bioaccumulative potential			
Cinchonine Base, Anhydrous (118-10-5)			
Bioconcentration factor (BCF REACH)	18.7		
Log Pow	2.82		
Bioaccumulative potential	Low bioaccumulation potential.		
12.4. Mobility in soil			
Cinchonine Base, Anhydrous (118-10-5)			
Log Koc	2 - 4.26		
12.5. Results of PBT and vPvB assessmen	12.5. Results of PBT and vPvB assessment		
This substance does not meet the PBT- or vPvB of	riteria of REACH regulation, annex XIII.		
12.6. Endocrine disrupting properties			
No additional information available			
12.7. Other adverse effects			
No additional information available			

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SECTION 13: Disposal considera	itions
13.1. Waste treatment methods	
Regional legislation (waste)	: Dispose in a safe manner in accordance with local/national regulations.
Waste treatment methods	: This material and its container must be disposed of as hazardous waste. Do not dispose of with domestic waste. Do not empty into drains.
Waste disposal recommendations	: Empty the packaging completely prior to disposal. When totally empty, containers are recyclable like any other packing.
European List of Waste (LoW) code	 07 00 00 - WASTES FROM ORGANIC CHEMICAL PROCESSES 07 01 00 - wastes from the manufacture, formulation, supply and use (MFSU) of basic organic chemicals
Waste code	: The waste code number according to the Ordinance on the European Waste Catalogue (AVV) depends on the waste producer and can therefore vary for any given product. The waste code number is therefore to be gleaned separately from each waste producer.
SECTION 14: Transport informat	ion
In accordance with ADR / IMDG / IATA	
14.1. UN number or ID number	

14.1. ON number of 1D number	
UN-No. (ADR)	: Not applicable
UN-No. (IMDG)	: Not applicable
UN-No. (IATA)	: 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
14.4. Packing group	
Packing group (ADR)	: Not applicable
Packing group (IMDG)	: Not applicable
Packing group (IATA)	: Not applicable
14.5. Environmental hazards	
Dangerous for the environment	: No
Marine pollutant	: No

14.6. Special precautions for user

- Overland transport

Not applicable

- Transport by sea Not applicable

- Air transport

Not applicable

14.7. Maritime transport in bulk according to IMO instruments

Not applicable

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SECTION 15: Regulatory information

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

15.1.1. EU-Regulations

Cinchonine Base, Anhydrous is not on the REACH Candidate List Cinchonine Base, Anhydrous is not on the REACH Annex XIV List

15.1.2. National regulations

No additional information available

15.2. Chemical safety assessment

For this substance a chemical safety assessment was not carried out.

SECTION 16: Other information

Data source		REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.		
Changes compared to earlier Versions		: •		
Review		: 01.03.2023		
Abbreviations and acronyms:				
ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways			

ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
CLP	Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures
DMEL	Derived Minimal Effect Level
DNEL	Derived No-Effect Level
EC50	The effective concentration of substance that causes 50 % of the maximum response (Median Effective Concentration)
IATA	International Air Transport Association
IMDG	"International Maritime Dangerous Goods Code" for the transport of dangerous goods by sea
LC50	Lethal Concentration to 50 % of a test population (Median Lethal Concentration)
LD50	Lethal Dose to 50 % of a test population (Median Lethal Dose)
LOAEL	Lowest Observed Adverse Effect Level
NOAEC/L	No Observed Adverse Effect Concentration/Level
NOEC/L	No Observed Effect Concentration/Level
OECD	Organisation for Economic Cooperation and Development
PBT	Persistent, Bioaccumulative and Toxic substance
PNEC	Predicted No-Effect Concentration
REACH	Regulation (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals
RID	Regulation concerning the International Carriage of Dangerous Goods by Rail
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	
H317	May cause an allergic skin reaction	

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.