

according to Regulation (EC) No. 1907/2006 (REACH)

Chlorine granules

#### Version number: GHS 8.5 (2023-08-25)

Replaces version: GHS 7 (2023-01-19)

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

**1.1 Product identifier** 

1.2

Trade name Identification of the substance CAS number Registration number (REACH) SDS-Ref

Relevant identified uses

## Chlorine granules

Troclosene sodium, dihydrate 51580-86-0 01-2119489371-33-xxxx 07512

Water treatment chemical Professional use Consumer use (private households)

## 1.3 Details of the supplier of the safety data sheet Steinbach International GmbH

mixture and uses advised against

Relevant identified uses of the substance or

Steinbach International GmbH L. Steinbach Platz 1 4311 Schwertberg Austria Telephone: +43 7262 61431 1000 e-Mail: info@steinbach-group.com e-Mail (competent person): sdb@steinbach-group.com

## 1.4 Emergency telephone number

Country	Name	Postal code/city	Telephone	Opening hours
Austria	Vergiftungsinformationszentrale	1090 Wien	+43 1 406 4343 (24h)	
United King- dom	National Poisons Information Service		111 (24h)	

## **SECTION 2: Hazards identification**

## 2.1 Classification of the substance or mixture

### Classification acc. to GHS

Section	Hazard class	Category	Hazard class and cat- egory	Hazard state- ment
3.10	acute toxicity (oral)	4	Acute Tox. 4	H302
3.3	serious eye damage/eye irritation	2	Eye Irrit. 2	H319
3.8R	specific target organ toxicity - single exposure (respiratory tract irritation)	3	STOT SE 3	H335
4.1A	hazardous to the aquatic environment - acute hazard	1	Aquatic Acute 1	H400
4.1C	hazardous to the aquatic environment - chronic hazard	1	Aquatic Chronic 1	H410

For full text of abbreviations: see SECTION 16.

The most important adverse physicochemical, human health and environmental effects

Spillage and fire water can cause pollution of watercourses.

## 2.2 Label elements

Labelling

- Signal word

Warning

- Pictograms GHS07, GHS09





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<ul> <li>Hazard statements</li> </ul>	
H302	Harmful if swallowed.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
H410	Very toxic to aquatic life with long lasting effects.
- Precautionary statement	S
P101	If medical advice is needed, have product container or label at hand.
P102	Keep out of reach of children.
P271	Use only outdoors or in a well-ventilated area.
P301+P330+P331	IF SWALLOWED: rinse mouth. Do NOT induce vomiting.
P312	Call a POISON CENTRE/doctor if you feel unwell.
P391	Collect spillage.
P501	Dispose of contents/container to hazardous or special waste collection point.
- Supplemental hazard in	formation
EUH031	Contact with acids liberates toxic gas.
EUH206	Warning! Do not use together with other products. May release dangerous gases (chlorine).

# 2.3 Other hazards

Results of PBT and vPvB assessment

According to the results of its assessment, this substance is not a PBT or a vPvB.

Endocrine disrupting properties

Does not contain an endocrine disruptor (EDC) in a concentration of  $\ge 0, 1\%$ .

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

#### 3.1 Substances

Name of substance	Troclosene sodium	ı, dihydrate	
CAS No	51580-86-0		
EC No	220-767-7		
Index No	613-030-01-7		
(GB CLP)			
Specific Conc. Limits	M-Factors	ATE	Exposure route
-	-	1,823 <sup>mg</sup> / <sub>kg</sub>	oral

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

## 4.1 Description of first aid measures

#### General notes

Do not leave affected person unattended. Remove victim out of the danger area. Keep affected person warm, still and covered. In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). Take off immediately all contaminated clothing. Symptoms may develop several hours following exposure; medical observation therefore necessary for at least 48 hours. In case of unconsciousness place person in the recovery position. Never give anything by mouth. Self-protection of the first aider.

#### Following inhalation

Mouth to mouth resuscitation should be avoided. Use alternative methods, preferably with oxygen or compressed air driven apparatus. If breathing is irregular or stopped, immediately seek medical assistance and start first aid actions. In case of respiratory tract irritation, consult a physician. Provide fresh air.

#### Following eye contact

Remove contact lenses, if present and easy to do. Continue rinsing. Irrigate copiously with clean, fresh water for at least 10 minutes, holding the eyelids apart. In all cases of doubt, or when symptoms persist, seek medical advice.

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#### Following ingestion

Rinse mouth with water (only if the person is conscious). Let be drunken in little sips: 0, 1-0, 2l Water. Do NOT induce vomiting.

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

Symptoms and effects are not known to date.

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

None.

## **SECTION 5: Firefighting measures**

### 5.1 Extinguishing media

Suitable extinguishing media

Water, Foam, Alcohol resistant foam, ABC-powder

Unsuitable extinguishing media

Water jet

## 5.2 Special hazards arising from the substance or mixture

Hazardous combustion products

Carbon monoxide (CO), Carbon dioxide (CO2), Nitrogen oxides (NOx), Hydrogen chloride (HCl), Chlorine (Cl2)

## 5.3 Advice for firefighters

In case of fire and/or explosion do not breathe fumes. Co-ordinate firefighting measures to the fire surroundings. Do not allow firefighting water to enter drains or water courses. Collect contaminated firefighting water separately. Fight fire with normal precautions from a reasonable distance.

## **SECTION 6: Accidental release measures**

## 6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Remove persons to safety. Ventilate affected area.

## For emergency responders

Wear breathing apparatus if exposed to vapours/dust/spray/gases.

### 6.2 Environmental precautions

Keep away from drains, surface and ground water. Retain contaminated washing water and dispose of it. If substance has entered a water course or sewer, inform the responsible authority.

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

Advice on how to contain a spill

Covering of drains. Take up mechanically.

Advice on how to clean up a spill

Take up mechanically.

Other information relating to spills and releases

Place in appropriate containers for disposal. Ventilate affected area.

### 6.4 Reference to other sections

Hazardous combustion products: see section 5. Personal protective equipment: see section 8. Incompatible materials: see section 10. Disposal considerations: see section 13.



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

## 7.1 Precautions for safe handling

#### Recommendations

- Measures to prevent fire as well as aerosol and dust generation

Use only in well-ventilated areas. Use local and general ventilation.

- Specific notes/details

Dust deposits may accumulate on all deposition surfaces in a technical room. The product in the delivered form is not dust explosion capable; the enrichment of fine dust however leads to the danger of dust explosion.

- Handling of incompatible substances or mixtures

Do not mix with acids.

#### Advice on general occupational hygiene

Wash hands after use. Do not eat, drink and smoke in work areas. Remove contaminated clothing and protective equipment before entering eating areas. Never place chemicals in containers that are normally used for food or drink. Keep away from food, drink and animal feedingstuffs.

## 7.2 Conditions for safe storage, including any incompatibilities

Managing of associated risks

- Explosive atmospheres

Removal of dust deposits.

#### Control of effects

- Protect against external exposure, such as

High temperatures, Frost, Humidity, UV-radiation/sunlight

- Ventilation requirements

Use local and general ventilation.

#### Packaging compatibilities

Professional use: Only packagings which are approved (e.g. acc. to ADR) may be used. Consumer use (private households): Keep only in original container.

### Conditions of storage

Keep container tightly closed in a cool place. Protect from sunlight. Keep away from children.

## 7.3 Specific end use(s)

There is no additional information.

## SECTION 8: Exposure controls/personal protection

#### 8.1 Control parameters

Coun try	Name of agent	CAS No	lden- tifier	TWA [ppm]	TWA [mg/ m³]	STEL [ppm]	STEL [mg/ m³]	Ceil- ing-C [ppm]	Ceil- ing-C [mg/ m <sup>3</sup> ]	Nota- tion	Sourc e
EU	chlorine	7782- 50-5	IOELV			0.5	1.5			proc	2006 /15/ EC
GB	dust		WEL		10					i	EH40 / 2005
GB	dust		WEL		4					r	EH40 / 2005



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Occup	ational exposure	limit value	s (Work	place Exp	osure Li	nits)					
Coun try	Name of agent	CAS No	lden- tifier	TWA [ppm]	TWA [mg/ m³]	STEL [ppm]	STEL [mg/ m <sup>3</sup> ]	Ceil- ing-C [ppm]	Ceil- ing-C [mg/ m <sup>3</sup> ]	Nota- tion	Sourc e
GB	chlorine	7782- 50-5	WEL			0.5	1.5			proc	EH40 / 2005

Ceiling-C	ceiling value is a limit value above which exposure should not occur
i	inhalable fraction
proc	substances released during the process
r	respirable fraction
STEL	short-term exposure limit: a limit value above which exposure should not occur and which is related to a 15-minute period (unless otherwise spe- cified)
TWA	time-weighted average (long-term exposure limit): measured or calculated in relation to a reference period of 8 hours time-weighted average (un- less otherwise specified)

#### Human health values

Relevant DNEL	s and other thresh	nold levels		
Endpoint	Threshold level	Protection goal, route of exposure	Used in	Exposure time
DNEL	8.11 mg/m <sup>3</sup>	human, inhalatory	worker (industry)	chronic - systemic effects
DNEL	2.3 mg/kg bw/ day	human, dermal	worker (industry)	chronic - systemic effects
DNEL	1.99 mg/m <sup>3</sup>	human, inhalatory	consumer (private households)	chronic - systemic effects
DNEL	1.15 mg/kg bw/ day	human, dermal	consumer (private households)	chronic - systemic effects
DNEL	1.15 mg/kg bw/ day	human, oral	consumer (private households)	chronic - systemic effects

### **Environmental values**

Relevant F	PNECs and other	threshold levels		
Endpoint	Threshold level	Organism	Environmental compartment	Exposure time
PNEC	0 <sup>mg</sup> /I	aquatic organisms	freshwater	short-term (single instance)
PNEC	1.52 <sup>mg</sup> /l	aquatic organisms	marine water	short-term (single instance)
PNEC	0.59 <sup>mg</sup> /l	aquatic organisms	sewage treatment plant (STP)	short-term (single instance)
PNEC	7.56 <sup>mg</sup> / <sub>kg</sub>	aquatic organisms	freshwater sediment	short-term (single instance)
PNEC	0.756 <sup>mg</sup> / <sub>kg</sub>	terrestrial organisms	soil	short-term (single instance)

## 8.2 Exposure controls (professional use)

Appropriate engineering controls

General ventilation.

Individual protection measures (personal protective equipment)

- Eye/face protection

Use safety goggle with side protection (EN 166).



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#### Skin protection

### - Hand protection

Wear suitable gloves. Chemical protection gloves are suitable, which are tested according to EN 374. Check leak-tightness/impermeability prior to use. In the case of wanting to use the gloves again, clean them before taking off and air them well. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

## Type of material

PVC: polyvinyl chloride, NR: natural rubber, latex

- Other protection measures

Take recovery periods for skin regeneration. Preventive skin protection (barrier creams/ointments) is recommended.

#### **Respiratory protection**

Particulate filter device (EN 143).

In case of inadequate ventilation wear respiratory protection: Full face mask (DIN EN 136).

#### Environmental exposure controls

Use appropriate container to avoid environmental contamination. Keep away from drains, surface and ground water.

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

## 9.1 Information on basic physical and chemical properties

solid
white
characteristic
not determined
not determined
non-combustible
not determined
not applicable
not determined
252 °C
6 – 7 (in aqueous solution: 1 % ( <sup>w</sup> / <sub>w</sub> ), 20 °C)
not relevant
no data available
none
<0.006 Pa at 20 °C

Density and/or relative density



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Density	not determined
Relative vapour density	information on this property is not available
Other safety parameters Solubility(ies)	
Water solubility	248.2 <sup>g</sup> / <sub>l</sub> at 25 °C
Partition coefficient	
n-Octanol/water (log KOW)	this information is not available
Soil organic carbon/water (log KOC)	1.708

## 9.2 Other information

Information with regard to physical hazard classes Other safety characteristics hazard classes acc. to GHS (physical hazards): not relevant there is no additional information

**SECTION 10: Stability and reactivity** 

## 10.1 Reactivity

Concerning incompatibility: see below "Conditions to avoid" and "Incompatible materials".

## 10.2 Chemical stability

See below "Conditions to avoid".

## 10.3 Possibility of hazardous reactions

No known hazardous reactions.

## 10.4 Conditions to avoid

There are no specific conditions known which have to be avoided.

### Hints to prevent fire or explosion

The product in the delivered form is not dust explosion capable; the enrichment of fine dust however leads to the danger of dust explosion.

### 10.5 Incompatible materials

There is no additional information.

Release of toxic materials with:

Acids

# 10.6 Hazardous decomposition products

Reasonably anticipated hazardous decomposition products produced as a result of use, storage, spill and heating are not known. Hazardous combustion products: see section 5.

# **SECTION 11: Toxicological information**

# 11.1 Information on toxicological effects

# Classification acc. to GHS

## Acute toxicity

Harmful if swallowed.

Acute toxicity estimate (ATE)

Oral  $1,823 \text{ }^{\text{mg}}/_{\text{kg}}$ 

## Skin corrosion/irritation

Shall not be classified as corrosive/irritant to skin.



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Serious eye damage/eye irritation Causes serious eye irritation.
Respiratory or skin sensitisation Shall not be classified as a respiratory or skin sensitiser.
Germ cell mutagenicity Shall not be classified as germ cell mutagenic.
Carcinogenicity Shall not be classified as carcinogenic.
Reproductive toxicity Shall not be classified as a reproductive toxicant.
Specific target organ toxicity - single exposure May cause respiratory irritation.
Specific target organ toxicity - repeated exposure Shall not be classified as a specific target organ toxicant (repeated exposure).
Aspiration hazard

Shall not be classified as presenting an aspiration hazard.

# 11.2 Information on other hazards

There is no additional information.

# **SECTION 12: Ecological information**

# 12.1 Toxicity

Very toxic to aquatic life with long lasting effects.

Aquatic toxicity (acute)				
Endpoint	Value	Sp	ecies	Exposure time
LC50	0.24 <sup>mg</sup> /I		fish	96 h
EC50	0.17 <sup>mg</sup> / <sub>l</sub>	aquatic i	aquatic invertebrates 48 h	
EbC50	2,700 <sup>mg</sup> / <sub>l</sub>	с	algae	
ErC50	>100 <sup>mg</sup> /	c	lgae	72 h
Aquatic toxicity (chronic)				
Endpoint Value Species		Exposure time		
EC5	0	2,600 <sup>mg</sup> /I	aquatic invertebrates	21 d

# 12.2 Persistence and degradability

Data are not available.

# 12.3 Bioaccumulative potential

Data are not available.



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12.4 Mobility in soil

The Organic Carbon normalised adsorption coefficient 1.708 (ECHA)

## 12.5 Results of PBT and vPvB assessment

According to the results of its assessment, this substance is not a PBT or a vPvB.

## 12.6 Endocrine disrupting properties

Does not contain an endocrine disruptor (EDC) in a concentration of  $\geq 0, 1\%$ .

### 12.7 Other adverse effects

Data are not available.

## **SECTION 13: Disposal considerations**

## 13.1 Waste treatment methods

Sewage disposal-relevant information

Do not empty into drains. Avoid release to the environment. Refer to special instructions/safety data sheets.

#### Waste treatment of containers/packagings

It is a dangerous waste; only packagings which are approved (e.g. acc. to ADR) may be used. Completely emptied packages can be recycled. Handle contaminated packages in the same way as the substance itself.

#### Other disposal recommendations

Dispose of contents/container to hazardous or special waste collection point. Waste treatment of containers/packagings: Mixed municipal waste.

## Relevant provisions relating to waste

List of wastes (EU), Decision 2000/532/EC on the list of waste

Product Code/ Type of waste: 19 09 99

### Remarks

Please consider the relevant national or regional provisions. Waste shall be separated into the categories that can be handled separately by the local or national waste management facilities.

SEC	SECTION 14: Transport information			
14.1	UN number or ID number	3077		
	ADR/RID/ADN	UN 3077		
	IMDG-Code	UN 3077		
	ICAO-TI	UN 3077		
14.2	UN proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.		
	ADR/RID/ADN	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.		
	IMDG-Code	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.		
	ICAO-TI	Environmentally hazardous substance, solid, n.o.s.		
	Technical name	Troclosene sodium, dihydrate		
14.3	Transport hazard class(es)			
	ADR/RID/ADN	9		
	IMDG-Code	9		
	ICAO-TI	9		
14.4	Packing group	III (substance presenting low danger)		

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5	Environmental hazards	hazardous to the aquatic environment
	ICAO-TI	III
	IMDG-Code	III
	ADR/RID/ADN	III

# 14.5 Environmental hazards

## 14.6 Special precautions for user

Provisions for dangerous goods (ADR) should be complied within the premises.

## 14.7 Maritime transport in bulk according to IMO instruments

The cargo is not intended to be carried in bulk.

# Information for each of the UN Model Regulations

## Transport of dangerous goods by road, rail and inland waterway (ADR/RID/ADN)

Classification code	M7
Danger label(s)	9, fish and tree
Environmental hazards	yes (hazardous to the aquatic environment)
Special provisions (SP)	274, 335, 375, 601
Excepted quantities (EQ)	E1
Limited quantities (LQ)	5 kg
Transport category (TC)	3
Tunnel restriction code (TRC)	-
Hazard identification No	90
Emergency Action Code	2Z

### Regulations concerning the International Carriage of Dangerous Goods by Rail (RID) -Additional information

Classification code	M7
Danger label(s)	9, fish and tree
Environmental hazards	yes (hazardous to water)
Special provisions (SP)	274, 335, 375, 601
Excepted quantities (EQ)	E1
Limited quantities (LQ)	5 kg
Transport category (TC)	3
Hazard identification No	90

# International Maritime Dangerous Goods Code (IMDG) - Additional information

iternational martane Bangeroad	
Marine pollutant	yes (hazardous to the aquatic environment)
Danger label(s)	9, fish and tree
Special provisions (SP)	274, 335, 966, 967, 969
Excepted quantities (EQ)	E1
Limited quantities (LQ)	5 kg
EmS	F-A, S-F
Stowage category	A



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## International Civil Aviation Organization (ICAO-IATA/DGR) - Additional information

Environmental hazards	yes (hazardous to the aquatic environment
Danger label(s)	9, fish and tree
Special provisions (SP)	A97, A158, A179, A197, A215
Excepted quantities (EQ)	E1
Limited quantities (LQ)	30 kg

## **SECTION 15: Regulatory information**

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

## Relevant provisions of the European Union (EU)

## Seveso Directive

No	Dangerous substance/hazard categories
E1	environmental hazards (hazardous to the aquatic environment, cat. 1)

## Deco-Paint Directive

VOC content	0 %
Industrial Emissions Directive (IED	
VOC content	0 %

# Directive on the restriction of the use of certain hazardous substances in electrical and electronic equipment (RoHS)

Not listed.

# Regulation concerning the establishment of a European Pollutant Release and Transfer Register (PRTR)

Not listed.

## Water Framework Directive (WFD)

## List of pollutants (WFD)

Name of substance	CAS No	Listed in	Remarks
Troclosene sodium, dihydrate		a)	
Troclosene sodium, dihydrate		a)	

Legend

Indicative list of the main pollutants

## **Regulation on persistent organic pollutants (POP)**

Not listed

## National regulations (GB)

## List of substances subject to authorisation (GB REACH, Annex 14) / SVHC - candidate list Not listed

Not listed

## **Restrictions according to GB REACH, Annex 17**

Not listed

## 15.2 Chemical safety assessment

No Chemical Safety Assessment has been carried out for this substance.



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## **SECTION 16: Other information**

# Indication of changes (revised safety data sheet)

Section	Former entry (text/value)	Actual entry (text/value)	Safety- relevant
2.3		Endocrine disrupting properties: Does not contain an endocrine disruptor (EDC) in a concentration of ≥ 0,1%.	yes
12.5	Results of PBT and vPvB assessment: Data are not available.	Results of PBT and vPvB assessment: According to the results of its assessment, this substance is not a PBT or a vPvB.	yes
12.6	Endocrine disrupting properties: Not listed.	Endocrine disrupting properties: Does not contain an endocrine disruptor (EDC) in a concentration of ≥ 0,1%.	yes

## Abbreviations and acronyms

Abbr.	Descriptions of used abbreviations		
2006/15/EC	Commission Directive establishing a second list of indicative occupational exposure limit values in implementation of Council Directive 98/24/EC and amending Directives 91/ 322/EEC and 2000/39/EC		
ADN	Accord européen relatif au transport international des marchandises dangereuses par voies de navigation intérieures (European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways)		
ADR	Accord relatif au transport international des marchandises dangereuses par route (Agreement concerning the International Carriage of Dangerous Goods by Road)		
adr/rid/adn	Agreements concerning the International Carriage of Dangerous Goods by Road/Rail/Inland Waterways (ADR/RID/ADN)		
ATE	Acute Toxicity Estimate		
CAS	Chemical Abstracts Service (service that maintains the most comprehensive list of chemical substances)		
Ceiling-C	ceiling value		
DGR	Dangerous Goods Regulations (see IATA/DGR)		
DNEL	Derived No-Effect Level		
EbC50	= EC50: in this method, that concentration of test substance which results in a 50 % reduction in either growth (EbC50) or growth rate (ErC50) relative to the control		
EC50	Effective Concentration 50 %. The EC50 corresponds to the concentration of a tested substance causing 50 % changes in response (e.g. on growth) during a specified time interva		
EC No	The EC Inventory (EINECS, ELINCS and the NLP-list) is the source for the seven-digit EC number, an identifier of substances commercially available within the EU (European Union		
EH40/2005	EH40/2005 Workplace exposure limits (http://www.nationalarchives.gov.uk/doc/open-government-licence/)		
EINECS	European Inventory of Existing Commercial Chemical Substances		
ELINCS	European List of Notified Chemical Substances		
EmS	Emergency Schedule		
ErC50	= ECS0: in this method, that concentration of test substance which results in a 50 % reduction in either growth (EbC50) or growth rate (ErC50) relative to the control		
GB CLP	The Chemicals (Health and Safety) and Genetically Modified Organisms (Contained Use) (Amendment etc.) (EU Exit) Regulations 2019, SI 2019/720 (as amended)		
GB REACH	The REACH etc. (Amendment etc.) [EU Exit) Regulations 2019, SI 2019/758 (as amended)		
GHS	"Globally Harmonized System of Classification and Labelling of Chemicals" developed by the United Nations		
IATA	International Air Transport Association		
IATA/DGR	Dangerous Goods Regulations (DGR) for the air transport (IATA)		
ICAO	International Civil Aviation Organization		
ICAO-TI	Technical instructions for the safe transport of dangerous goods by air		
IMDG	International Maritime Dangerous Goods Code		
IMDG-Code	International Maritime Dangerous Goods Code		
index No	the Index number is the identification code given to the substance in Part 3 of Annex VI to Regulation (EC) No 1272/2008		
IOELV	indicative occupational exposure limit value		
LC50	Lethal Concentration 50%: the LC50 corresponds to the concentration of a tested substance causing 50 % lethality during a specified time interval		
NLP	No-Longer Polymer		
PBT	Persitent Bioaccumulative and Toxic		
PNEC	Predicted No-Effect Concentration		
ppm	parts per million		
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals		
RID	Règlament concernant le transport International ferroviaire des marchandises Dangereuses (Regulations concerning the International carriage of Dangerous goods by Rail)		
STEL	short-term exposure limit		
TWA	time-weighted average		
VOC	Volatile Organic Compounds		
vec vPvB	very Persistent and very Bioaccumulative		
WEL	workplace exposure limit		

## Key literature references and sources for data

Agreement concerning the International Carriage of Dangerous Goods by Road (ADR). Regulations concerning the International Carriage of Dangerous Goods by Rail (RID). International Maritime Dangerous Goods Code (IMDG). Dangerous Goods Regulations (DGR) for the air transport (IATA).



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# List of relevant phrases (code and full text as stated in section 2 and 3)

Code	Text
H302	Harmful if swallowed.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.

## Disclaimer

This information is based upon the present state of our knowledge. This SDS has been compiled and is solely intended for this product.