

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878 Reference number: 05965 Issue date: 01.09.2023 Revision date: 01.09.2023 Supersedes version of: 09.04.2015 Version: 1.0

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

#### **1.1. Product identifier**

Product form	: Substance
Trade name	: SODIUM PERCHLORATE MONOHYDRATE AR
EC Index-No.	: 017-010-00-6
EC-No.	: 231-511-9
CAS-No.	: 7791-07-3
Product code	: 05965
Type of product	: Inorganic compound
Formula	: NaClO4 · H2O
Chemical structure	+
	$ \begin{array}{c}     Na^+ & 0^- \\     o = cI = 0 \\     II \\     O   \end{array} $

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

#### 1.2.1. Relevant identified uses

Use of the substance/mixture

: Laboratory chemicals, Manufacture of substances

 $H_2O$ 

#### 1.2.2. Uses advised against

No additional information available

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

LOBA CHEMIE PVT.LTD. 107 Wode House Road, Jehangir Villa, Colaba 400005 Mumbai INDIA T +91 22 6663 6663 - F +91 22 6663 6699 info@lobachemie.com - www.lobachemie.com

#### 1.4. Emergency telephone number

Emergency number

: + 91 22 6663 6663 (9:00am - 6:00 pm)

## **SECTION 2: Hazards identification**

### 2.1. Classification of the substance or mixture

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

Oxidising Solids, Category 1	H271
Acute toxicity (oral), Category 4	H302
Full text of H- and EUH-statements: see section 16	

## Adverse physicochemical, human health and environmental effects

Harmful if swallowed.

## 2.2. Label elements

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

Hazard pictograms (CLP)



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	GHS03 GHS07
Signal word (CLP)	: Danger
Hazard statements (CLP)	: H271 - May cause fire or explosion; strong oxidiser. H302 - Harmful if swallowed.
Precautionary statements (CLP)	<ul> <li>P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.</li> <li>P270 - Do not eat, drink or smoke when using this product.</li> </ul>
Nordic countries regulation	
Denmark	
MAL code	: 00-1 (Executive Order No. 301 (1993))
2.3. Other hazards	

Contains no PBT/vPvB substances ≥ 0.1% assessed in accordance with REACH Annex XIII

SECTION 3: Composition/information on ingredients		
3.1. Substances		
Substance type Name CAS-No. EC-No. EC Index-No.	: Mono-constituent : SODIUM PERCHLORATE M : 7791-07-3 : 231-511-9 : 017-010-00-6	DNOHYDRATE
Name	Product identifier	%
SODIUM PERCHLORATE MONOHYDRATE	CAS-No.: 7791-07-3 EC-No.: 231-511-9 EC Index-No.: 017-010-00-6	100

## 3.2. Mixtures

Not applicable

SECTION 4: First aid measures		
4.1. Description of first aid measures		
First-aid measures general First-aid measures after inhalation	<ul> <li>Call a poison center or a doctor if you feel unwell.</li> <li>Remove person to fresh air and keep comfortable for breathing. Give oxygen or artificial respiration if necessary. If you feel unwell, seek medical advice.</li> </ul>	
First-aid measures after skin contact	: Gently wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention. Rinse skin with water/shower. Rinse immediately contaminated clothing and skin with plenty of water before removing clothes.	
First-aid measures after eye contact	: Remove contact lenses, if present and easy to do. Continue rinsing. Rinse cautiously with water for several minutes. If eye irritation persists: Get medical advice/attention.	
First-aid measures after ingestion	: Rinse mouth. Call a POISON CENTER/doctor if you feel unwell. Call a poison center or a doctor if you feel unwell.	
4.2. Most important symptoms and effects, both acute and delayed		
Symptoms/effects after ingestion	: Harmful if swallowed.	

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

Treat symptomatically.

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SECTION 5: Firefighting measures		
5.1. Extinguishing media		
Suitable extinguishing media Unsuitable extinguishing media	<ul> <li>dry chemical powder, alcohol-resistant foam, carbon dioxide (CO2). Water spray. Dry powder. Foam.</li> <li>Do not use a heavy water stream.</li> </ul>	
5.2. Special hazards arising from the substance or mixture		
Fire hazard Hazardous decomposition products in case of fire	: May cause fire or explosion; strong oxidiser. : Toxic fumes may be released.	
5.3. Advice for firefighters		
Firefighting instructions Protection during firefighting	<ul> <li>In case of major fire and large quantities: Evacuate area. Fight fire remotely due to the risk of explosion.</li> <li>Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.</li> </ul>	

SECTION 6: Accidental release measures		
6.1. Personal precautions, protective eq	uipment and emergency procedures	
6.1.1. For non-emergency personnel		
Emergency procedures	: Ventilate spillage area. Evacuate unnecessary personnel. No open flames, no sparks, and no smoking.	
6.1.2. For emergency responders		
Protective equipment	: Do not attempt to take action without suitable protective equipment. Use personal protective equipment as required. For further information refer to section 8: "Exposure controls/personal protection".	
Emergency procedures	: Stop release.	
6.2. Environmental precautions		
Avoid release to the environment.		
6.3. Methods and material for containme	ent and cleaning up	
Methods for cleaning up	: Mechanically recover the product. Collect spillage. On land, sweep or shovel into suitable containers. Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Notify authorities if product enters sewers or public waters.	
Other information	: Dispose of materials or solid residues at an authorized site.	
6.4. Reference to other sections		

For further information refer to section 13.

SECTION 7: Handling and storage		
7.1. Precautions for safe handling		
Precautions for safe handling	: Ensure good ventilation of the work station. Do not get in eyes, on skin, or on clothing. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Wear personal protective equipment.	
Hygiene measures	: Do not eat, drink or smoke when using this product. Wash hands, forearms and face thoroughly after handling. Always wash hands after handling the product.	
7.2. Conditions for safe storage, including any incompatibilities		
Storage conditions	: Store in original container. Keep container tightly closed. Store in a dry place. Store in a well-ventilated place. Keep cool.	
Incompatible materials	: combustible materials.	

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### 7.3. Specific end use(s)

No additional information available

## SECTION 8: Exposure controls/personal protection

## 8.1. Control parameters

8.1.1 National occupational exposure and biological limit values

No additional information available

#### 8.1.2. Recommended monitoring procedures

No additional information available

#### 8.1.3. Air contaminants formed

No additional information available

#### 8.1.4. DNEL and PNEC

No additional information available

#### 8.1.5. Control banding

No additional information available

## 8.2. Exposure controls

#### 8.2.1. Appropriate engineering controls

**Appropriate engineering controls:** Ensure good ventilation of the work station.

#### 8.2.2. Personal protection equipment

## Personal protective equipment symbol(s):



#### 8.2.2.1. Eye and face protection

**Eye protection:** Chemical goggles or safety glasses

#### 8.2.2.2. Skin protection

Skin and body protection: Wear a mask. Wear fire/flame resistant/retardant clothing.

Hand protection:

Protective gloves

#### 8.2.2.3. Respiratory protection

**Respiratory protection:** Wear appropriate mask

### 8.2.2.4. Thermal hazards

No additional information available

#### 8.2.3. Environmental exposure controls

#### Environmental exposure controls:

Avoid release to the environment.

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SECTION 9: Physical and chemical properties		
SECTION 5.1 Hysical and chemical pr		
9.1. Information on basic physical and che	emical properties	
Physical state Colour Appearance	: Solid : Colourless. : Crystals.	
Molecular mass Odour Odour threshold Melting point	<ul> <li>: 140,46 g/mol</li> <li>: Odourless.</li> <li>: Not available</li> <li>: 130 °C</li> </ul>	
Freezing point Boiling point Flammability	: Not applicable : Not available : Non flammable.	
Lower explosion limit Upper explosion limit Flash point	<ul> <li>Not applicable</li> <li>Not applicable</li> <li>Not applicable</li> </ul>	
Auto-ignition temperature Decomposition temperature pH	: Not applicable : > 482 °C : 6 – 8	
pH solution concentration Viscosity, kinematic Solubility Partition coefficient n-octanol/water (Log Kow)	: 5 % : Not applicable : Water: 209 g/100ml at 15°C - Soluble in water : Not available	
Vapour pressure Vapour pressure at 50 °C Density	: Not available : Not available : 2,02 g/cm³	
Relative density Relative vapour density at 20 °C Particle size	<ul> <li>Not available</li> <li>Not applicable</li> <li>Not available</li> </ul>	

9.2. Other information

9.2.1. Information with regard to physical hazard classes

## No additional information available

**9.2.2. Other safety characteristics** No additional information available

## SECTION 10: Stability and reactivity

## 10.1. Reactivity

May cause fire or explosion; strong oxidiser.

**10.2. Chemical stability** 

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

**10.4. Conditions to avoid** 

Direct sunlight. Air contact. Moisture. Avoid contact with hot surfaces. Heat. No flames, no sparks. Eliminate all sources of ignition.

**10.5. Incompatible materials** 

Combustible materials.

**10.6. Hazardous decomposition products** 

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

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Acute toxicity (oral):Harmful if swallowed.Acute toxicity (dermal):Not classifiedAcute toxicity (inhalation):Not classifiedSkin corrosion/irritation:Not classifiedpH: 6 - 8:Not classifiedSerious eye damage/irritation:Not classifiedgerm cell mutagenicity:Not classifiedGerm cell mutagenicity:Not classifiedCarcinogenicity:Not classifiedReproductive toxicity:Not classifiedSTOT-single exposure:Not classifiedSTOT-repeated exposure:Not classifiedAspiration hazard:Not classifiedSODIUM PERCHLORATE MONOHYDRATE K(T791-07-3)Viscosity, kinematicNot applicable	11.1. Information on nazard classes	as defined in Regulation (EC) No 1272/2008	
Acute toxicity (inhalation)       : Not classified         Skin corrosion/irritation       : Not classified         pH: 6 - 8         Serious eye damage/irritation       : Not classified         pH: 6 - 8         Respiratory or skin sensitisation       : Not classified         Germ cell mutagenicity       : Not classified         Carcinogenicity       : Not classified         Reproductive toxicity       : Not classified         STOT-single exposure       : Not classified         STOT-repeated exposure       : Not classified         Aspiration hazard       : Not classified			
Skin corrosion/irritation       : Not classified         pH: 6 - 8         Serious eye damage/irritation       : Not classified         pH: 6 - 8         Respiratory or skin sensitisation       : Not classified         Germ cell mutagenicity       : Not classified         Carcinogenicity       : Not classified         Reproductive toxicity       : Not classified         STOT-single exposure       : Not classified         STOT-repeated exposure       : Not classified         Aspiration hazard       : Not classified			
pH: 6 – 8         Serious eye damage/irritation       : Not classified         pH: 6 – 8         Respiratory or skin sensitisation       : Not classified         Germ cell mutagenicity       : Not classified         Carcinogenicity       : Not classified         Reproductive toxicity       : Not classified         STOT-single exposure       : Not classified         STOT-repeated exposure       : Not classified         Aspiration hazard       : Not classified         SODIUM PERCHLORATE MONOHYDRATE AR (7791-07-3)			
Serious eye damage/irritation       :       Not classified         pH: 6 - 8         Respiratory or skin sensitisation       :       Not classified         Germ cell mutagenicity       :       Not classified         Carcinogenicity       :       Not classified         Carcinogenicity       :       Not classified         Reproductive toxicity       :       Not classified         STOT-single exposure       :       Not classified         STOT-repeated exposure       :       Not classified         Aspiration hazard       :       Not classified	Skin corrosion/irritation		
pH: 6 – 8 Respiratory or skin sensitisation : Not classified Germ cell mutagenicity : Not classified Carcinogenicity : Not classified Reproductive toxicity : Not classified STOT-single exposure : Not classified STOT-repeated exposure : Not classified STOT-repeated exposure : Not classified STOT-repeated exposure : Not classified STOT-repeated exposure : Not classified SODIUM PERCHLORATE MONOHYDRATE AR (7791-07-3)		•	
Respiratory or skin sensitisation       : Not classified         Germ cell mutagenicity       : Not classified         Carcinogenicity       : Not classified         Reproductive toxicity       : Not classified         STOT-single exposure       : Not classified         STOT-repeated exposure       : Not classified         Aspiration hazard       : Not classified         SODIUM PERCHLORATE MONOHYDRATE AR (7791-07-3)	Serious eye damage/irritation		
Germ cell mutagenicity       : Not classified         Carcinogenicity       : Not classified         Reproductive toxicity       : Not classified         STOT-single exposure       : Not classified         STOT-repeated exposure       : Not classified         Aspiration hazard       : Not classified         SODIUM PERCHLORATE MONOHYDRATE AR (7791-07-3)	Despiratory or alvin consitiontion	•	
Carcinogenicity : Not classified Reproductive toxicity : Not classified STOT-single exposure : Not classified STOT-repeated exposure : Not classified Aspiration hazard : Not classified SODIUM PERCHLORATE MONOHYDRATE AR (7791-07-3)			
Reproductive toxicity       : Not classified         STOT-single exposure       : Not classified         STOT-repeated exposure       : Not classified         Aspiration hazard       : Not classified         SODIUM PERCHLORATE MONOHYDRATE AR (7791-07-3)	0 1		
STOT-single exposure       : Not classified         STOT-repeated exposure       : Not classified         Aspiration hazard       : Not classified         SODIUM PERCHLORATE MONOHYDRATE AR (7791-07-3)			
STOT-repeated exposure       : Not classified         Aspiration hazard       : Not classified         SODIUM PERCHLORATE MONOHYDRATE AR (7791-07-3)			
Aspiration hazard : Not classified SODIUM PERCHLORATE MONOHYDRATE AR (7791-07-3)			
SODIUM PERCHLORATE MONOHYDRATE AR (7791-07-3)			
	Aspiration hazard	: Not classified	
Viscosity, kinematic Not applicable	SODIUM PERCHLORATE MONOHY	DRATE AR (7791-07-3)	
	Viscosity, kinematic	Not applicable	
11.2. Information on other hazards	11.2. Information on other hazards		
	2.1. Endocrine disrupting properties additional information available		
No additional information available			

## 11.2.2. Other information

Potential adverse human health effects and	: Harmful if swallowed.
symptoms	

SECTION 12: Ecological information	
12.1. Toxicity	
Ecology - general Hazardous to the aquatic environment, short–term (acute) Hazardous to the aquatic environment, long–term (chronic)	<ul> <li>The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.</li> <li>Not classified</li> <li>Not classified</li> </ul>
12.2. Persistence and degradability	
No additional information available	
12.3. Bioaccumulative potential	
No additional information available	
12.4. Mobility in soil	
No additional information available	
12.5. Results of PBT and vPvB assessment	
No additional information available	
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 considerations**

### 13.1. Waste treatment methods

Waste treatment methods

: Dispose of contents/container in accordance with licensed collector's sorting instructions. Product/Packaging disposal recommendations Dispose of contents/container to hazardous or special waste collection point, in accordance ÷

with local, regional, national and/or international regulation.

## **SECTION 14: Transport information**

In accordance with ADR / IMDG / IATA / ADN / RID

: UN 1502	
: UN 1502	
	: UN 1502 : UN 1502 : UN 1502

#### : SODIUM PERCHLORATE Proper Shipping Name (ADR) SODIUM PERCHLORATE Proper Shipping Name (IMDG) • Proper Shipping Name (IATA) : Sodium perchlorate Proper Shipping Name (ADN) SODIUM PERCHLORATE : SODIUM PERCHLORATE Proper Shipping Name (RID) · : UN 1502 SODIUM PERCHLORATE, 5.1, II, (E) Transport document description (ADR) : UN 1502 SODIUM PERCHLORATE, 5.1, II Transport document description (IMDG) Transport document description (IATA) : UN 1502 Sodium perchlorate, 5.1, II Transport document description (ADN) : UN 1502 SODIUM PERCHLORATE, 5.1, II Transport document description (RID) UN 1502 SODIUM PERCHLORATE, 5.1, II •

14.3. Transport hazard class(es)

### ADR

Transport hazard class(es) (ADR)	: 5.1
Danger labels (ADR)	: 5.1

#### IMDG

Transport hazard class(es) (IMDG) Danger labels (IMDG)

ΙΑΤΑ Transport hazard class(es) (IATA) Danger labels (IATA)

## ADN

Transport hazard class(es) (ADN)



EN (English)

: 5.1

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Danger labels (ADN)	5.1 5.1 5.1
RID Transport hazard class(es) (RID) Danger labels (RID)	5.1 5.1
14.4. Packing group	
Packing group (ADR) Packing group (IMDG) Packing group (IATA) Packing group (ADN) Packing group (RID)	: II : II : II : II : II
14.5. Environmental hazards	
Dangerous for the environment Marine pollutant Other information	: No : No : No supplementary information available
14.6. Special precautions for user	
Overland transport Classification code (ADR) Limited quantities (ADR) Excepted quantities (ADR) Packing instructions (ADR) Mixed packing provisions (ADR) Portable tank and bulk container instructions (ADR) Portable tank and bulk container special provisions (ADR) Tank code (ADR) Tank special provisions (ADR) Vehicle for tank carriage Transport category (ADR) Special provisions for carriage - Packages (ADR) Special provisions for carriage - Bulk (ADR) Special provisions for carriage - Loading, unloading and handling (ADR) Special provisions for carriage - Operation (ADR) Hazard identification number (Kemler No.) Orange plates	: $02$ : $1kg$ : $E2$ : $P002, IBC06$ : $MP2$ : $T3$ : $TP33$ : $SGAV$ : $TU3$ : $AT$ : $2$ : $V11$ : $VC1, VC2, AP6, AP7$ : $CV24$ : $S23$ : $50$ : $50$ : $50$ : $1502$
Tunnel restriction code (ADR)	: E
EAC code	: 1Y
Transport by sea Limited quantities (IMDG) Excepted quantities (IMDG) Packing instructions (IMDG) IBC packing instructions (IMDG) IBC special provisions (IMDG) Tank instructions (IMDG)	: 1 kg : E2 : P002 : IBC06 : B21 : T3
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Tank special provisions (IMDG)	: TP33
EmS-No. (Fire)	: F-H
EmS-No. (Spillage)	: S-Q
Stowage category (IMDG)	: A
Segregation (IMDG)	: SGG13, SG38, SG49
Properties and observations (IMDG)	: Colourless crystals or powder, soluble in water. Reacts vigorously with sulphuric acid. Reacts fiercely with cyanides when heated or by friction. May form explosive mixtures with combustible material, powdered metals or ammonium compounds. These mixtures are sensitive to friction and are liable to ignite. When involved in a fire, may cause an explosion
MFAG-No	: 140
Air transport	
PCA Excepted quantities (IATA)	: E2
PCA Limited quantities (IATA)	: Y544
PCA limited quantity max net quantity (IATA)	: 2.5kg
PCA packing instructions (IATA)	: 558
PCA max net quantity (IATA)	: 5kg
CAO packing instructions (IATA)	: 562
CAO max net quantity (IATA)	: 25kg
ERG code (IATA)	: 5L
Internet water ways from one out	
Inland waterway transport	: 02
Classification code (ADN) Limited quantities (ADN)	: 02 : 1 kg
Excepted quantities (ADN)	: E2
Equipment required (ADN)	: E2 : PP
Number of blue cones/lights (ADN)	: 0
Reil frenenert	
Rail transport	. 02
Classification code (RID)	: 02
Limited quantities (RID)	: 1kg
Excepted quantities (RID)	: E2
Packing instructions (RID)	: P002, IBC06
Mixed packing provisions (RID)	: MP2
Portable tank and bulk container instructions (RID)	: T3
Portable tank and bulk container special provisions (RID)	: TP33
Tank codes for RID tanks (RID)	: SGAV
Special provisions for RID tanks (RID)	: TU3
Transport category (RID)	: 2
Special provisions for carriage – Packages (RID)	: W11
Special provisions for carriage – Bulk (RID)	: VC1, VC2, AP6, AP7
Special provisions for carriage - Loading, unloading	: CW24
and handling (RID)	
Colis express (express parcels) (RID)	: CE10
Hazard identification number (RID)	: 50

14.7. Maritime transport in bulk according to IMO instruments

Not applicable

## SECTION 15: Regulatory information

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

## 15.1.1. EU-Regulations

## **REACH Annex XVII (Restriction List)**

No REACH Annex XVII restrictions

### REACH Annex XIV (Authorisation List)

SODIUM PERCHLORATE MONOHYDRATE AR is not on the REACH Annex XIV List

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### **REACH Candidate List (SVHC)**

SODIUM PERCHLORATE MONOHYDRATE AR is not on the REACH Candidate List

#### **PIC Regulation (Prior Informed Consent)**

SODIUM PERCHLORATE MONOHYDRATE AR is not subject to Regulation (EU) No 649/2012 of the European Parliament and of the Council of 4 july 2012 concerning the export and import of hazardous chemicals.

### **POP Regulation (Persistent Organic Pollutants)**

SODIUM PERCHLORATE MONOHYDRATE AR is not subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants

#### Ozone Regulation (1005/2009)

SODIUM PERCHLORATE MONOHYDRATE is not subject to REGULATION (EU) No 1005/2009 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 September 2009 on substances that deplete the ozone layer.

#### **Explosives Precursors Regulation (2019/1148)**

Contains no substance subject to Regulation (EU) 2019/1148 of the European Parliament and of the Council of 20 June 2019 on the marketing and use of explosives precursors.

## **Drug Precursors Regulation (273/2004)**

Contains no substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on drug precursors)

### 15.1.2. National regulations

#### Germany

Water hazard class (WGK) Chemicals Prohibition Ordinance (ChemVerbotsV)	<ul> <li>WGK 1, Slightly hazardous to water (Classification according to AwSV; ID No. 382).</li> <li>This product is subject to ChemVerbotsV Annex 2 Entry 2. The following requirement must be observed: Basic requirements for the implementation of the submission (according to § 8 paragraph 1, 3 and 4).</li> </ul>
Hazardous Incident Ordinance (12. BImSchV)	: Is not subject of the Hazardous Incident Ordinance (12. BImSchV)
Netherlands	
SZW-lijst van kankerverwekkende stoffen	: The substance is not listed
SZW-lijst van mutagene stoffen	: The substance is not listed
SZW-lijst van reprotoxische stoffen – Borstvoeding	: The substance is not listed
SZW-lijst van reprotoxische stoffen –	: The substance is not listed
Vruchtbaarheid	
SZW-lijst van reprotoxische stoffen – Ontwikkeling	: The substance is not listed
Denmark	
MAL code	: 00-1 (Executive Order No. 301 (1993))
Danish National Regulations	: Young people below the age of 18 years are not allowed to use the product

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

## **SECTION 16: Other information**

Abbreviations and acronyms:	
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
ATE	Acute Toxicity Estimate
BCF	Bioconcentration factor
BLV	Biological limit value
BOD	Biochemical oxygen demand (BOD)
COD	Chemical oxygen demand (COD)
DMEL	Derived Minimal Effect level

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Abbreviations and acronyms:	
DNEL	Derived-No Effect Level
EC-No.	European Community number
EC50	Median effective concentration
EN	European Standard
IARC	International Agency for Research on Cancer
ΙΑΤΑ	International Air Transport Association
IMDG	International Maritime Dangerous Goods
LC50	Median lethal concentration
LD50	Median lethal dose
LOAEL	Lowest Observed Adverse Effect Level
NOAEC	No-Observed Adverse Effect Concentration
NOAEL	No-Observed Adverse Effect Level
NOEC	No-Observed Effect Concentration
OECD	Organisation for Economic Co-operation and Development
OEL	Occupational Exposure Limit
РВТ	Persistent Bioaccumulative Toxic
PNEC	Predicted No-Effect Concentration
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
SDS	Safety Data Sheet
STP	Sewage treatment plant
ThOD	Theoretical oxygen demand (ThOD)
TLM	Median Tolerance Limit
VOC	Volatile Organic Compounds
CAS-No.	Chemical Abstract Service number
N.O.S.	Not Otherwise Specified
vPvB	Very Persistent and Very Bioaccumulative
ED	Endocrine disrupting properties

Full text of H- and EUH-statements:	
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
H271	May cause fire or explosion; strong oxidiser.
H302	Harmful if swallowed.
Ox. Sol. 1	Oxidising Solids, Category 1

Safety Data Sheet (SDS), EU

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.