

	<b>SAFETY DATA SHEET</b>	Page : 1 / 13
		Revision nr : 2.0
	<b>OSTO®</b>	Issue date : 21/09/2023
		Supersedes : 05/07/2022

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

### 1.1. Product identifier

Product form : Mixture  
Trade name : OSTO®

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

#### 1.2.1. Relevant identified uses

Main use category : Industrial use  
Use of the substance/mixture : Synthetic concrete aggregate

#### 1.2.2. Uses advised against

No additional information available

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

Low Carbon Materials  
Unit 4, Jade Business Park, Murton  
SR7 9DR Seaham - United Kingdom  
T +44 01740 620408  
[contact@lowcarbonmaterials.com](mailto:contact@lowcarbonmaterials.com)

### 1.4. Emergency telephone number

Emergency number : +44 01740 620408  
(09:00 - 17:00, monday - friday)

Country	Official advisory body	Address	Emergency number
Ireland	National Poisons Information Centre Beaumont Hospital	PO Box 1297 Beaumont Road 9 Dublin	+353 1 809 2566 (Healthcare professionals-24/7) +353 1 809 2166 (public, 8am - 10pm, 7/7)
United Kingdom	National Poisons Information Service (Newcastle Centre) Regional Drugs and Therapeutics Centre, Wolfson Unit	Claremont Place Newcastle-upon-Tyne NE1 4LP Newcastle	0844 892 0111 (UK only, 24/7, healthcare professionals only) Emergency Action: In the event of a medical enquiry involving this product, please contact your doctor or local hospital accident and emergency department

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

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

Skin Irrit. 2 H315

Eye Irrit. 2 H319

Full text of H- and EUH-statements: see section 16

	<b>SAFETY DATA SHEET</b>	Page : 2 / 13
		Revision nr : 2.0
	<b>OSTO®</b>	Issue date : 21/09/2023
		Supersedes : 05/07/2022

## 2.2. Label elements

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

Hazard pictograms (CLP)

:



GHS07

Signal word

: Warning

Hazard statements (CLP)

: H315 - Causes skin irritation.

H319 - Causes serious eye irritation.

Precautionary statements (CLP)

: P264 - Wash hands thoroughly after handling.

P280 - Wear protective gloves, protective clothing, eye protection, face protection.

P302+P352 - IF ON SKIN: Wash with plenty of soap and water.

P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337+P313 - If eye irritation persists: Get medical advice/attention.

P362+P364 - Take off contaminated clothing and wash it before reuse.

## 2.3. Other hazards

Other hazards

: Results of PBT and vPvB assessment : Contains no PBT/vPvB substances  $\geq$  0.1% assessed in accordance with REACH Annex XIII.

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

Not applicable

### 3.2. Mixtures

Substance name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
sodium hydroxide; caustic soda	(CAS-No.) 1310-73-2 (EC-No.) 215-185-5 (EC Index) 011-002-00-6	1 – 5	Met. Corr. 1, H290 Skin Corr. 1A, H314 Eye Dam. 1, H318

#### Specific concentration limits:

Substance name	Product identifier	Specific concentration limits
sodium hydroxide; caustic soda	(CAS-No.) 1310-73-2 (EC-No.) 215-185-5 (EC Index) 011-002-00-6	(0,5 $\leq$ C < 2) Eye Irrit. 2, H319 (0,5 $\leq$ C < 2) Skin Irrit. 2, H315 (2 $\leq$ C < 5) Skin Corr. 1B, H314 (5 $\leq$ C < 100) Skin Corr. 1A, H314

Full text of H- and EUH-statements: see section 16

	<b>SAFETY DATA SHEET</b>	Page : 3 / 13
		Revision nr : 2.0
	<b>OSTO®</b>	Issue date : 21/09/2023
		Supersedes : 05/07/2022

#### SECTION 4: First aid measures

##### 4.1. Description of first aid measures

Additional advice	: First aider: Pay attention to self-protection!. Concerning personal protective equipment to use, see section 8. Never give anything by mouth to an unconscious person. In case of doubt or persistent symptoms, consult always a physician. Show this safety data sheet to the doctor in attendance.
Inhalation	: Remove casualty to fresh air and keep warm and at rest. In case of doubt or persistent symptoms, consult always a physician.
Skin contact	: Remove contaminated clothing and shoes. Gently wash with plenty of soap and water. In case of doubt or persistent symptoms, consult always a physician.
Eyes contact	: Rinse immediately carefully and thoroughly with eye-bath or water. Remove contact lenses, if present and easy to do. Continue rinsing. In case of doubt or persistent symptoms, consult always a physician.
Ingestion	: Rinse mouth thoroughly with water. Get medical advice/attention.

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

Inhalation	: May cause irritation to the respiratory tract.
Skin contact	: Causes skin irritation. The following symptoms may occur: Redness, Pain.
Eyes contact	: Causes serious eye irritation. The following symptoms may occur: Redness, Pain.
Ingestion	: May cause gastrointestinal irritation, nausea, vomiting and diarrhoea.

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

Treat symptomatically.

#### SECTION 5: Firefighting measures

##### 5.1. Extinguishing media

Suitable extinguishing media	: Use extinguishing media appropriate for surrounding fire. carbon dioxide (CO <sub>2</sub> ), powder, alcohol-resistant foam, water spray.
Unsuitable extinguishing media	: Strong water jet.

##### 5.2. Special hazards arising from the substance or mixture

Specific hazards	: Not flammable.
Hazardous decomposition products in case of fire	: Carbon oxides (CO, CO <sub>2</sub> ). Sodium oxides.

##### 5.3. Advice for firefighters

Firefighting instructions	: Evacuate area. Use water spray or fog for cooling exposed containers. Contain the extinguishing fluids by bunding. Prevent fire fighting water from entering the environment.
Protection during firefighting	: Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus.
Other information	: Do not allow run-off from fire-fighting to enter drains or water courses. Dispose of waste in accordance with environmental legislation.

	<b>SAFETY DATA SHEET</b>	Page : 4 / 13
		Revision nr : 2.0
	<b>OSTO®</b>	Issue date : 21/09/2023
		Supersedes : 05/07/2022

## SECTION 6: Accidental release measures

### **6.1. Personal precautions, protective equipment and emergency procedures**

#### **6.1.1. For non-emergency personnel**

For non-emergency personnel : Evacuate unnecessary personnel. Keep upwind. Provide adequate ventilation. Wear recommended personal protective equipment. Concerning personal protective equipment to use, see section 8. Do not breathe dust. Avoid contact with skin, eyes and clothing. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

#### **6.1.2. For emergency responders**

For emergency responders : Ensure procedures and training for emergency decontamination and disposal are in place. Concerning personal protective equipment to use, see section 8.

### **6.2. Environmental precautions**

Do not allow to enter into surface water or drains. Notify authorities if product enters sewers or public waters.

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

Methods for cleaning up : Stop leak if safe to do so. Dam up the solid spill. Take up mechanically (sweeping, shovelling) and collect in suitable container for disposal. Large spills: scoop solid spill into closing containers. This material and its container must be disposed of in a safe way, and as per local legislation.

### **6.4. Reference to other sections**

Concerning personal protective equipment to use, see section 8. Concerning disposal elimination after cleaning, see section 13.

## SECTION 7: Handling and storage

### **7.1. Precautions for safe handling**

Precautions for safe handling : Provide adequate ventilation. Use personal protective equipment as required. Concerning personal protective equipment to use, see section 8. Do not breathe dust. Avoid contact with skin, eyes and clothing. Take any precaution to avoid mixing with Incompatible materials, Refer to Section 10 on Incompatible Materials. Ensure proper process control to avoid excess waste discharge (temperature, concentration, pH, time). Avoid release to the environment. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

Hygiene measures : Keep good industrial hygiene. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Do not eat, drink or smoke when using this product. Keep away from food, drink and animal feedingstuffs. Remove contaminated clothes. Separate working clothes from town clothes. Launder separately. Wash contaminated clothing before reuse.

### **7.2. Conditions for safe storage, including any incompatibilities**

Storage conditions : Store in a dry, cool and well-ventilated place. Do not store near or with any of the incompatible materials listed in section 10.

Heat and ignition sources : Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

Special rules on packaging : Containers which are opened should be properly resealed and kept upright to prevent leakage.

Packaging materials : Keep only in the original container.

### **7.3. Specific end use(s)**

Synthetic concrete aggregate.

	<b>SAFETY DATA SHEET</b>	Page : 5 / 13
		Revision nr : 2.0
	<b>OSTO®</b>	Issue date : 21/09/2023
		Supersedes : 05/07/2022

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

sodium hydroxide; caustic soda (1310-73-2)		
Austria	MAK (OEL TWA)	2 mg/m <sup>3</sup> (inhalable fraction)
Austria	MAK (OEL STEL)	4 mg/m <sup>3</sup> (inhalable fraction)
Belgium	Local name	Sodium (hydroxyde de) # Natriumhydroxide
Belgium	OEL TWA	2 mg/m <sup>3</sup>
Belgium	Remark	M: La mention M indique que lors d'une exposition supérieure à la valeur limite, des irritations apparaissent ou un danger d'intoxication aiguë existe. Le procédé de travail doit être conçu de telle façon que l'exposition ne dépasse jamais la valeur limite. Lors des mesurages, la période d'échantillonnage doit être aussi courte que possible afin de pouvoir effectuer des mesurages fiables. Le résultat des mesurages est calculé en fonction de la période d'échantillonnage.# De vermelding M duidt aan dat bij de blootstelling boven de grenswaarde irritatie optreedt of er gevaar bestaat voor acute vergiftiging. Het werkproces moet zo zijn ontworpen dat de blootstelling de grenswaarde nooit overschrijdt. Bij een controle geldt dat de bemonsterde periode zo kort mogelijk moet zijn om een betrouwbare meting te kunnen verrichten. het meetresultaat wordt dan gerelateerd aan de beschouwde periode
Bulgaria	OEL TWA	2 mg/m <sup>3</sup> (alkaline aerosols)
Croatia	KGVI (OEL STEL)	2 mg/m <sup>3</sup>
Czech Republic	PEL (OEL TWA)	1 mg/m <sup>3</sup>
Denmark	OEL C	2 mg/m <sup>3</sup>
Estonia	OEL TWA	1 mg/m <sup>3</sup>
Estonia	OEL STEL	2 mg/m <sup>3</sup>
Finland	HTP (OEL C)	2 mg/m <sup>3</sup>
France	VME (OEL TWA)	2 mg/m <sup>3</sup>
Greece	OEL TWA	2 mg/m <sup>3</sup>
Greece	OEL STEL	2 mg/m <sup>3</sup>
Hungary	AK (OEL TWA)	1 mg/m <sup>3</sup>
Hungary	CK (OEL STEL)	2 mg/m <sup>3</sup>
Ireland	OEL STEL	2 mg/m <sup>3</sup>
Latvia	OEL TWA	0,5 mg/m <sup>3</sup>
Lithuania	NRV (OEL C)	2 mg/m <sup>3</sup>
Poland	NDS (OEL TWA)	0,5 mg/m <sup>3</sup>
Poland	NDSch (OEL STEL)	1 mg/m <sup>3</sup>
Portugal	OEL C	2 mg/m <sup>3</sup>

	<b>SAFETY DATA SHEET</b>	Page : 6 / 13
		Revision nr : 2.0
	<b>OSTO®</b>	Issue date : 21/09/2023
		Supersedes : 05/07/2022

sodium hydroxide; caustic soda (1310-73-2)		
Slovakia	NPHV (OEL TWA) [1]	2 mg/m <sup>3</sup>
Spain	VLA-EC (OEL STEL)	2 mg/m <sup>3</sup>
Sweden	NGV (OEL TWA)	1 mg/m <sup>3</sup> (inhalable fraction)
Sweden	KTV (OEL STEL)	2 mg/m <sup>3</sup> (inhalable fraction)
United Kingdom	WEL STEL (OEL STEL)	2 mg/m <sup>3</sup>
Norway	Takverdi (OEL C) [1]	2 mg/m <sup>3</sup>
Switzerland	MAK (OEL TWA) [1]	2 mg/m <sup>3</sup> (inhalable dust)
Switzerland	KZGW (OEL STEL)	2 mg/m <sup>3</sup> (inhalable dust)
Canada (Quebec)	Plafond (OEL C)	2 mg/m <sup>3</sup>
USA - ACGIH	ACGIH OEL C	2 mg/m <sup>3</sup>
USA - IDLH	IDLH	10 mg/m <sup>3</sup>
USA - NIOSH	NIOSH REL C	2 mg/m <sup>3</sup>
USA - OSHA	OSHA PEL TWA [1]	2 mg/m <sup>3</sup>

Additional information : Recommended monitoring procedures :. Personal air monitoring. Room air monitoring

## 8.2. Exposure controls

Engineering measure(s) : Provide adequate ventilation. Organisational measures to prevent/limit releases, dispersion and exposure. See Section 7 for information on safe handling.

Personal protective equipment : The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Hand protection : Wear chemically resistant gloves (tested to EN374) . Suitable material: Not determined. Breakthrough time : Not determined. Thickness of the glove material: Not determined. The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances.

Eye protection : Use suitable eye protection (EN166): tightly fitting safety goggles

Body protection : Wear suitable protective clothing

Respiratory protection : Not required for normal conditions of use

Thermal hazard protection : Not required for normal conditions of use. Use dedicated equipment.

Environmental exposure controls : Avoid release to the environment. Comply with applicable Community environmental protection legislation.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state : Solid

Appearance : Solid.

Colour : Pale yellow.

Odour : No additional information available.

Odour threshold : No data available

pH : No data available

pH solution : Not available

	<b>SAFETY DATA SHEET</b>	Page : 7 / 13
		Revision nr : 2.0
	<b>OSTO®</b>	Issue date : 21/09/2023
		Supersedes : 05/07/2022

Relative evaporation rate (butylacetate=1)	: No data available
Melting / freezing point	: No data available
Freezing point	: No data available
Initial boiling point and boiling range	: No data available
Flash point	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability	: 10.500 J/g
Vapour pressure	: No data available
Vapour density	: No data available
Relative density	: 1,49 kg/l
Solubility	: Insoluble in water.
Partition coefficient n-octanol/water	: No data available
Kinematic viscosity	: No data available
Dynamic viscosity	: No data available
Explosive properties	: Not applicable. The study does not need to be conducted because there are no chemical groups associated with explosive properties present in the molecule.
Oxidising properties	: Not applicable. The classification procedure needs not to be applied because there are no chemical groups present in the molecule which are associated with oxidising properties.
Explosive limits	: No data available
Particle size	: Not available
Particle size distribution	: Not available
Particle shape	: Not available
Particle aspect ratio	: Not available
Particle aggregation state	: Not available
Particle agglomeration state	: Not available
Particle specific surface area	: Not available
Particle dustiness	: Not available

## **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**

None under normal conditions. Reference to other sections: 10.4 & 10.5.

### **10.2. Chemical stability**

Stable under normal conditions.

	<b>SAFETY DATA SHEET</b>	Page : 8 / 13
		Revision nr : 2.0
	<b>OSTO®</b>	Issue date : 21/09/2023
		Supersedes : 05/07/2022

### 10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

### 10.4. Conditions to avoid

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. See Section 7 for information on safe handling.

### 10.5. Incompatible materials

None known. See Section 7 for information on safe handling.

### 10.6. Hazardous decomposition products

Reference to other sections 5.2.

## SECTION 11: Toxicological information

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

Acute toxicity : Not classified (Based on available data, the classification criteria are not met)

sodium hydroxide; caustic soda (1310-73-2)	
LD50/oral/rat	325 mg/kg (Source: OECD_SIDS)
LD50/dermal/rabbit	1350 mg/kg (Source: NLM_HSDB)

Skin corrosion/irritation	: Causes skin irritation. pH: No data available
Serious eye damage/irritation	: Causes serious eye irritation. pH: No data available
Respiratory or skin sensitisation	: Not classified (Based on available data, the classification criteria are not met)
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)
STOT-single exposure	: Not classified (Based on available data, the classification criteria are not met)
STOT-repeated exposure	: Not classified (Based on available data, the classification criteria are not met)
Aspiration hazard	: Not classified (Based on available data, the classification criteria are not met)

OSTO®	
Kinematic viscosity	No data available

Other information : Symptoms related to the physical, chemical and toxicological characteristics.  
For further information see section 4.

### 11.2. Information on other hazards

#### 11.2.1. Endocrine disrupting properties

Adverse health effects caused by endocrine disrupting properties : The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %

#### 11.2.2 Other information

Other information : Symptoms related to the physical, chemical and toxicological characteristics, For further information see section 4



	<b>SAFETY DATA SHEET</b>	Page : 9 / 13
		Revision nr : 2.0
	<b>OSTO®</b>	Issue date : 21/09/2023
		Supersedes : 05/07/2022

## SECTION 12: Ecological information

### 12.1. Toxicity

Environmental properties	: According to the criteria of the European classification and labelling system, the substance/the product has not to be labelled as "dangerous for the environment".
Hazardous to the aquatic environment, short-term (acute)	: Not classified
Hazardous to the aquatic environment, long-term (chronic)	: Not classified

#### sodium hydroxide; caustic soda (1310-73-2)

LC50 - Fish [1]	20 – 40 mg/l
NOEC (chronic)	> 25 mg/l

### 12.2. Persistence and degradability

<b>OSTO®</b>	
Persistence and degradability	No additional information available.
<b>sodium hydroxide; caustic soda (1310-73-2)</b>	
Persistence and degradability	Not applicable.

### 12.3. Bioaccumulative potential

<b>OSTO®</b>	
Partition coefficient n-octanol/water	No data available
Bioaccumulative potential	No additional information available.

#### sodium hydroxide; caustic soda (1310-73-2)

Partition coefficient n-octanol/water	-3,88
Bioaccumulative potential	Low potential.

### 12.4. Mobility in soil

<b>OSTO®</b>	
Mobility in soil	No data available

### 12.5. Results of PBT and vPvB assessment

<b>OSTO®</b>	
Results of PBT assessment	Contains no PBT/vPvB substances $\geq 0.1\%$ assessed in accordance with REACH Annex XIII

	<b>SAFETY DATA SHEET</b>	Page : 10 / 13
		Revision nr : 2.0
	<b>OSTO®</b>	Issue date : 21/09/2023
		Supersedes : 05/07/2022

#### 12.6. Endocrine disrupting properties

Adverse effects on the environment caused by endocrine disrupting properties : The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %

#### 12.7. Other adverse effects

Other adverse effects : No data available

### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

Product/Packaging disposal recommendations : Avoid release to the environment. Dispose of empty containers and wastes safely. See Section 7 for information on safe handling. Refer to manufacturer/supplier for information on recovery/recycling. Recycling is preferred to disposal or incineration. If recycling is not possible, eliminate in accordance with local valid waste disposal regulations. Handle contaminated packages in the same way as the substance itself. Dispose of contaminated materials in accordance with current regulations.

European waste catalogue (2001/573/EC, 75/442/EEC, 91/689/EEC) : Waste codes should be assigned by the user, preferably in discussion with the waste disposal authorities

### SECTION 14: Transport information

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

ADR	IMDG	IATA	ADN	RID
<b>14.1. UN number or ID number</b>				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
<b>14.2. UN proper shipping name</b>				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
<b>14.3. Transport hazard class(es)</b>				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
<b>14.4. Packing group</b>				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
<b>14.5. Environmental hazards</b>				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
No supplementary information available				

#### 14.6. Special precautions for user

Special precautions for user : No data available

#### - Overland transport

Not applicable

#### - Transport by sea

Not applicable

	<b>SAFETY DATA SHEET</b>	Page : 11 / 13
		Revision nr : 2.0
	<b>OSTO®</b>	Issue date : 21/09/2023
		Supersedes : 05/07/2022

**- Air transport**

Not applicable

**- Inland waterway transport**

Not applicable

**- Rail transport**

Not applicable

**14.7. Maritime transport in bulk according to IMO instruments**

Code: IBC : 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**

Contains no substance(s) listed on REACH Annex XVII (Restriction Conditions)

Contains no substance(s) listed on the REACH Candidate List

Contains no substance(s) listed on REACH Annex XIV (Authorisation List)

**15.1.2. National regulations**

**France**

No ICPE	Installations classées Désignation de la rubrique	Code Régime	Rayon
na	Not Applicable	na	na

**Germany**

Regulatory reference : WGK 1, Slightly hazardous to water (Classification according to AwSV, Annex 1)

German storage class (LGK) : LGK 13 - Non-combustible solids

Hazardous Incident Ordinance (12. BImSchV) : Is not subject of the 12. BImSchV (Hazardous Incident Ordinance)

**Netherlands**

Waterbezwaarlijkheid : B (4) - Weinig schadelijk voor in het water levende organismen

SZW-lijst van kankerverwekkende stoffen : None of the components are listed

SZW-lijst van mutagene stoffen : None of the components are listed

SZW-lijst van reprotoxische stoffen – Borstvoeding : None of the components are listed

SZW-lijst van reprotoxische stoffen – Vruchtbaarheid : None of the components are listed

SZW-lijst van reprotoxische stoffen – Ontwikkeling : None of the components are listed

	<h1 style="text-align: center;">SAFETY DATA SHEET</h1>	Page : 12 / 13
		Revision nr : 2.0
	<h2 style="text-align: center;">OSTO®</h2>	Issue date : 21/09/2023
		Supersedes : 05/07/2022

### 15.2. Chemical safety assessment

Not applicable

### SECTION 16: Other information

Indication of changes:

1.3	Company	Modified	
2	Hazards identification	Modified	
3.2	Composition/information on ingredients	Modified	
9.1	Relative density	Modified	

Abbreviations and acronyms:

	ABM = Algemene beoordelingsmethodiek
	ADN = Accord Européen relatif au Transport International des Marchandises Dangereuses par voie de Navigation du Rhin
	ADR = Accord européen relatif au transport international des marchandises Dangereuses par Route
	CLP = Classification, Labelling and Packaging Regulation according to 1272/2008/EC
	IATA = International Air Transport Association
	IMDG = International Maritime Dangerous Goods Code
	LEL = Lower Explosive Limit/Lower Explosion Limit
	UEL = Upper Explosion Limit/Upper Explosive Limit
	REACH = Registration, Evaluation, Authorisation and Restriction of Chemicals
	BTT = Breakthrough time (maximum wearing time)
	DMEL = Derived Minimal Effect level
	DNEL = Derived No Effect Level
	EC50 = Median Effective Concentration
	EL50 = Median effective level
	ErC50 = EC50 in terms of reduction of growth rate
	ErL50 = EL50 in terms of reduction of growth rate
	EWC = European waste catalogue
	LC50 = Median lethal concentration
	LD50 = Median lethal dose
	LL50 = Median lethal level
	NA = Not applicable
	NOEC = No observed effect concentration
	NOEL: no-observed-effect level
	NOELR = No observed effect loading rate
	NOAEC = No observed adverse effect concentration
	NOAEL = No observed adverse effect level
	N.O.S. = Not Otherwise Specified
	OEL = Occupational Exposure Limits - Short Term Exposure Limits (STELs)
	PNEC = Predicted No Effect Concentration
	Quantitative structure-activity relationship (QSAR)
	STOT = Specific Target Organ Toxicity
	TWA = time weighted average
	VOC = Volatile organic compounds
	WGK = Wassergefährdungsklasse (Water Hazard Class under German Federal Water Management Act)

Sources of key data used to compile the : ECHA (European Chemicals Agency). LOLI. Supplier information. datasheet

Training advice : Training staff on good practice. Manipulations are to be done only by qualified and authorised persons.

	<b>SAFETY DATA SHEET</b>	Page : 13 / 13
		Revision nr : 2.0
	<b>OSTO®</b>	Issue date : 21/09/2023
		Supersedes : 05/07/2022

Other information : Classification - Assessment method: CLP Calculation method (Article 9).  
Physicochemical hazard assessment: Information given is based on tests on the mixture itself.

Full text of H- and EUH-statements:

Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
H290	May be corrosive to metals.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
Met. Corr. 1	Corrosive to metals, Category 1
Skin Corr. 1A	Skin corrosion/irritation, Category 1, Sub-Category 1A
Skin Corr. 1B	Skin corrosion/irritation, Category 1, Sub-Category 1B
Skin Irrit. 2	Skin corrosion/irritation, Category 2

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878  
Classification according to Regulation (EC) No. 1272/2008 [CLP]  
Labelling according to Regulation (EC) No. 1272/2008 [CLP]

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