

SAFETY DATA SHEET

## Prottox Biox stabiliseret

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

#### 1.1. Product identifier

Trade name

Prottox Biox stabiliseret

Unique formula identifier (UFI)

DT5Q-20N9-H00E-1QQP

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

Relevant identified uses of the substance or mixture

Biocide

Use descriptors (REACH)

Sectors of use	Description
LCS "PW"	Professional uses: Public domain (administration, education, entertainment, services, craftsmen)
Product category	Description
PC8	Biocidal Products (e.g. Disinfectants, pest control)
Process category	Description
PROC28	Manual maintenance (cleaning and repair) of machinery
Environmental release category	Description
ERC8c	Wide dispersive indoor use resulting in inclusion into or onto a matrix

▼ Uses advised against

None known.

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

Company and address

**Prottox ApS**

Fabriksvej 19

6000 Kolding

Denmark

+45 75 50 40 22

E-mail

info@prottox.dk

Revision

22/11/2022

SDS Version

2.0

Date of previous version

28/03/2022 (1.0)

#### 1.4. Emergency telephone number

Contact The National Poisons Information Service (dial 111, 24 h service).

See section 4 "First aid measures".

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

Not classified according to Regulation (EC) No. 1272/2008 (CLP) as retained and amended in UK law.

#### 2.2. Label elements

▼ Hazard pictogram(s)

▼ Signal word

Not applicable.

▼ Hazard statement(s)

Not applicable.

#### Safety statement(s)

General

-

Prevention

-

Response

-

Storage

-

Disposal

-

#### Hazardous substances

Sodium chlorite

#### ▼ Additional labelling

UFI: DT5Q-20N9-H00E-1QQP

#### 2.3. Other hazards

##### ▼ Additional warnings

This mixture/product does not contain any substances considered to meet the criteria classifying them as PBT and/or vPvB.

This product does not contain any substances considered to be endocrine disruptors in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605.

## SECTION 3: Composition/information on ingredients

#### 3.1. ▼ Substances

Not applicable. This product is a mixture.

#### 3.2. ▼ Mixtures

Product/substance	Identifiers	% w/w	Classification	Note
Sodium chlorite	CAS No.: 7758-19-2 EC No.: 231-836-6 UK-REACH: Index No.:	<1%	EUH032 EUH071 Ox. Sol. 1, H271 Acute Tox. 3, H301 (ATE: 238.00 mg/kg) Skin Corr. 1B, H314 Eye Dam. 1, H318 STOT RE 2, H373 Aquatic Acute 1, H400 (M=1)	

See full text of H-phrases in section 16. Occupational exposure limits are listed in section 8, if these are available.

#### ▼ Other information

-

## SECTION 4: First aid measures

#### 4.1. Description of first aid measures

##### General information

In the case of accident: Contact a doctor or casualty department – take the label or this safety data sheet. Contact a doctor if in doubt about the injured person's condition or if the symptoms persist. Never give an unconscious person water or other drink.

##### Inhalation

Upon breathing difficulties or irritation of the respiratory tract: Bring the person into fresh air and stay with him/her.

##### Skin contact

Upon irritation: rinse with water. In the event of continued irritation, seek medical assistance.

##### Eye contact

Upon irritation of the eye: Remove contact lenses. Flush eyes with plenty of water or salt water (20-30°C) and continue until irritation stops.

##### Ingestion

Provide plenty of water for the person to drink and stay with him/her. In case of malaise, seek medical advice

immediately and bring the safety data sheet or label from the product. Do not induce vomiting, unless recommended by the doctor. Have the victim lean forward with head down to avoid inhalation of- or choking on vomited material.

▼ Burns

Not applicable.

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

None known.

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

IF exposed or concerned:

Get immediate medical advice/attention.

Information to medics

Bring this safety data sheet or the label from this product.

## SECTION 5: Firefighting measures

5.1. ▼ Extinguishing media

Not applicable.

5.2. Special hazards arising from the substance or mixture

Fire will result in dense smoke. Exposure to combustion products may harm your health. Closed containers, which are exposed to fire, should be cooled with water. Do not allow fire-extinguishing water to enter the sewage system and nearby surface waters.

5.3. Advice for firefighters

Fire fighters should wear appropriate personal protective equipment.

## SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Remove flammable materials if conditions allow it. Ensure sufficient ventilation.

6.2. Environmental precautions

Avoid discharge to lakes, streams, sewers, etc. In the event of leakage to the surroundings, contact local environmental authorities.

6.3. ▼ Methods and material for containment and cleaning up

Use sand, earth, vermiculite, diatomaceous earth to contain and collect non-combustible absorbent materials and place in container for disposal, according to local regulations.

Wherever possible cleaning should be performed with normal cleaning agents. Avoid use of solvents.

6.4. ▼ Reference to other sections

See section 13 "Disposal considerations" on handling of waste.

See section 8 "Exposure controls/personal protection" for protective measures.

## SECTION 7: Handling and storage

7.1. Precautions for safe handling

Smoking, drinking and consumption of food is not allowed in the work area.

See section 8 "Exposure controls/personal protection" for information on personal protection.

7.2. ▼ Conditions for safe storage, including any incompatibilities

Recommended storage material

Keep only in original packaging.

Storage temperature

> 0°C

Incompatible materials

Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

7.3. Specific end use(s)

This product should only be used for applications quoted in section 1.2

## SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No substances are listed in the national list of substances with an occupational exposure limit.

▼ DNEL

Sodium chlorite

According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

Duration	Route of exposure	DNEL
Long term – Systemic effects - General population	Dermal	400 µg/kgbw/day
Long term – Systemic effects - Workers	Dermal	800 µg/kgbw/day
Short term – Systemic effects - General population	Dermal	400 µg/kgbw/day
Short term – Systemic effects - Workers	Dermal	800 µg/kgbw/day
Long term – Systemic effects - General population	Inhalation	70 µg/m <sup>3</sup>
Long term – Systemic effects - Workers	Inhalation	280 µg/m <sup>3</sup>
Short term – Systemic effects - General population	Inhalation	70 µg/m <sup>3</sup>
Short term – Systemic effects - Workers	Inhalation	280 µg/m <sup>3</sup>
Long term – Systemic effects - General population	Oral	40 µg/kgbw/day
Short term – Systemic effects - General population	Oral	40 µg/kgbw/day

## ▼ PNEC

Sodium chlorite

Route of exposure	Duration of Exposure	PNEC
Freshwater		650 ng/L
Intermittent release (freshwater)		6.5 µg/L
Marine water		65 ng/L
Sewage treatment plant		1 mg/L

## 8.2. ▼ Exposure controls

Control is unnecessary if the product is used as intended.

### General recommendations

Smoking, drinking and consumption of food is not allowed in the work area.

### Exposure scenarios

There are no exposure scenarios implemented for this product.

### Exposure limits

Occupational exposure limits have not been defined for the substances in this product.

### Appropriate technical measures

Apply standard precautions during use of the product. Avoid inhalation of vapours.

### Hygiene measures

Wash hands after use.

### ▼ Measures to avoid environmental exposure

No specific requirements.

## 8.3. Individual protection measures, such as personal protective equipment

### ▼ Generally

Use only UKCA marked protective equipment.

### ▼ Respiratory Equipment

Work situation	Type	Class	Colour	Standards
When there is risk of formation of mist/aerosol	SL	P3	White	EN149



### ▼ Skin protection

Work situation	Recommended	Type/Category	Standards
When there is risk of splash- / intermittent exposure	Dedicated work clothing should be worn	-	-



### ▼ Hand protection

Work situation	Material	Glove thickness (mm)	Breakthrough time (min.)	Standards
In the event of prolonged exposure or high concentrations	Latex	1,0	> 480	EN374-2, EN374-3, EN388



## ▼ Eye protection

Work situation	Type	Standards
When there is risk of splash- / intermittent exposure	Wear safety glasses with side shields.	EN166



## SECTION 9: Physical and chemical properties

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

#### Physical state

Liquid

#### Colour

Colourless

#### Odour / Odour threshold

Characteristic

#### pH

8

#### Density (g/cm<sup>3</sup>)

1

#### Kinematic viscosity

No data available

#### Particle characteristics

Testing not relevant or not possible due to nature of the product.

#### Phase changes

##### Melting point/Freezing point (°C)

Testing not relevant or not possible due to nature of the product.

##### Softening point/range (waxes and pastes) (°C)

Does not apply to liquids.

##### Boiling point (°C)

100

#### ▼ Vapour pressure

Testing not relevant or not possible due to the nature of the product.

#### Relative vapour density

Not applicable - based on structure

#### Decomposition temperature (°C)

No data available

#### Data on fire and explosion hazards

##### Flash point (°C)

Testing not relevant or not possible due to nature of the product.

##### Auto-Ignition (°C)

Testing not relevant or not possible due to nature of the product.

##### Flammability (°C)

Testing not relevant or not possible due to nature of the product.

##### Lower and upper explosion limit (% v/v)

Testing not relevant or not possible due to nature of the product.

#### Solubility

##### ▼ Solubility in water

Completely soluble

##### n-octanol/water coefficient

Testing not relevant or not possible due to nature of the product.

##### Solubility in fat (g/L)

Testing not relevant or not possible due to nature of the product.

### 9.2. Other information

#### Evaporation rate (n-butylacetate = 100)

No data available

#### ▼ Other physical and chemical parameters

No data available.

## SECTION 10: Stability and reactivity

### 10.1. ▼ Reactivity

No data available.

### 10.2. Chemical stability

The product is stable under the conditions, noted in section 7 "Handling and storage".

### 10.3. ▼ Possibility of hazardous reactions

None known.

### 10.4. ▼ Conditions to avoid

None known.

### 10.5. Incompatible materials

Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

### 10.6. Hazardous decomposition products

The product is not degraded when used as specified in section 1.

## SECTION 11: Toxicological information

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

#### Acute toxicity

Based on available data, the classification criteria are not met.

#### Skin corrosion/irritation

Based on available data, the classification criteria are not met.

#### Serious eye damage/irritation

Based on available data, the classification criteria are not met.

#### Respiratory sensitisation

Based on available data, the classification criteria are not met.

#### Skin sensitisation

Based on available data, the classification criteria are not met.

#### Germ cell mutagenicity

Based on available data, the classification criteria are not met.

#### Carcinogenicity

Based on available data, the classification criteria are not met.

#### Reproductive toxicity

Based on available data, the classification criteria are not met.

#### STOT-single exposure

Based on available data, the classification criteria are not met.

#### STOT-repeated exposure

Based on available data, the classification criteria are not met.

#### Aspiration hazard

Based on available data, the classification criteria are not met.

### 11.2. Information on other hazards

#### ▼ Long term effects

None known.

#### ▼ Endocrine disrupting properties

None known.

#### Other information

Sodium chlorite has been classified by IARC as a group 3 carcinogen.

## SECTION 12: Ecological information

### 12.1. ▼ Toxicity

No data available.

### 12.2. ▼ Persistence and degradability

No data available.

### 12.3. ▼ Bioaccumulative potential

No data available.

### 12.4. ▼ Mobility in soil

No data available.

According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

#### 12.5. Results of PBT and vPvB assessment

This mixture/product does not contain any substances considered to meet the criteria classifying them as PBT and/or vPvB.

#### 12.6. ▼ Endocrine disrupting properties

None known.

#### 12.7. Other adverse effects

This product contains substances that are toxic to the environment. May result in adverse effects to aquatic organisms.

This product contains substances, which may cause adverse long-term effects to the aquatic environment.

### SECTION 13: Disposal considerations

#### ▼ Waste treatment methods

Product is not covered by regulations on dangerous waste.

Refer to manufacturer or supplier for information on recovery or recycling.

Regulation (EU) No 1357/2014 of 18 December 2014 on waste as retained and amended in UK law.

#### ▼ EWC code

Not applicable.

#### ▼ Specific labelling

Not applicable.

#### Contaminated packing

Packaging containing residues of the product must be disposed of similarly to the product.

### SECTION 14: Transport information

	14.1 UN / ID	14.2 UN proper shipping name	14.3 Hazard class(es)	14.4 PG*	14.5 Env**	Other information
ADR	-	-	-	-	-	-
IMDG	-	-	-	-	-	-
IATA	-	-	-	-	-	-

\* Packing group

\*\* Environmental hazards

#### Additional information

Not dangerous goods according to ADR, IATA and IMDG.

#### 14.6. ▼ Special precautions for user

Not applicable.

#### 14.7. ▼ Maritime transport in bulk according to IMO instruments

No data available.

### SECTION 15: Regulatory information

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

##### Restrictions for application

Restricted to professional users.

People under the age of 18 shall not be exposed to this product.

##### ▼ Demands for specific education

No specific requirements.

##### ▼ SEVESO - Categories / dangerous substances

Not applicable.

##### Biocidal Products Regulations

Product type: PT2 - Disinfectants and algacides not intended for direct application to humans or animals

##### Restrictions on use:

-

##### Directions for use and dose rate:

-

##### Additional information:

-

▼ **Additional information**

Not applicable.

▼ **Sources**

In accordance with Regulation (EU) No 528/2012 concerning the making available on the market and use of biocidal products as retained and amended in UK law.

Regulation (EU) No 1357/2014 of 18 December 2014 on waste as retained and amended in UK law.

Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures (CLP) as retained and amended in UK law.

Regulation (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) as retained and amended in UK law.

15.2. **Chemical safety assessment**

No

**SECTION 16: Other information**

**Full text of H-phrases as mentioned in section 3**

EUH032, Contact with acids liberates very toxic gas.

EUH071, Corrosive to the respiratory tract.

H271, May cause fire or explosion; strong oxidiser.

H301, Toxic if swallowed.

H314, Causes severe skin burns and eye damage.

H318, Causes serious eye damage.

H373, May cause damage to organs through prolonged or repeated exposure.

H400, Very toxic to aquatic life.

**The full text of identified uses as mentioned in section 1**

LCS "PW" = Professional uses: Public domain (administration, education, entertainment, services, craftsmen)

PROC28 = Manual maintenance (cleaning and repair) of machinery

PC8 = Biocidal Products (e.g. Disinfectants, pest control)

ERC8c = Wide dispersive indoor use resulting in inclusion into or onto a matrix

▼ **Abbreviations and acronyms**

ADN = European Provisions concerning the International Carriage of Dangerous Goods by Inland Waterway

ADR = The European Agreement concerning the International Carriage of Dangerous Goods by Road

ATE = Acute Toxicity Estimate

BCF = Bioconcentration Factor

CAS = Chemical Abstracts Service

CE = Conformité Européenne

CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008]

CSA = Chemical Safety Assessment

CSR = Chemical Safety Report

DMEL = Derived Minimal Effect Level

DNEL = Derived No Effect Level

EINECS = European Inventory of Existing Commercial chemical Substances

ES = Exposure Scenario

EUH statement = CLP-specific Hazard statement

EWC = European Waste Catalogue

GHS = Globally Harmonized System of Classification and Labelling of Chemicals

IARC = International Agency for Research on Cancer (IARC)

IATA = International Air Transport Association

IBC = Intermediate Bulk Container

IMDG = International Maritime Dangerous Goods

LogPow = logarithm of the octanol/water partition coefficient

MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)

OECD = Organisation for Economic Co-operation and Development

PBT = Persistent, Bioaccumulative and Toxic

PNEC = Predicted No Effect Concentration

RID = The Regulations concerning the International Carriage of Dangerous Goods by Rail

RRN = REACH Registration Number

SCL = A specific concentration limit

SVHC = Substances of Very High Concern

STOT-RE = Specific Target Organ Toxicity - Repeated Exposure

STOT-SE = Specific Target Organ Toxicity - Single Exposure

TWA = Time weighted average

UN = United Nations



UVBC = Unknown or variable composition, complex reaction products or of biological materials

VOC = Volatile Organic Compound

vPvB = Very Persistent and Very Bioaccumulative

▼ **Additional information**

In accordance with UK-REACH, a safety data sheet is not required for this product. This safety data sheet has been created on a voluntary basis to distribute relevant information as required by UK-REACH.

▼ **The safety data sheet is validated by**

HMJ

**Other**

A change (in proportion to the last essential change (first cipher in SDS version, see section 1)) is marked with a blue triangle.

The information in this safety data sheet applies only to this specific product (mentioned in section 1) and is not necessarily correct for use with other chemicals/products.

It is recommended to hand over this safety data sheet to the actual user of the product. Information in this safety data sheet cannot be used as a product specification.

Country-language: GB-en