

SAFETY DATA SHEET

# Protox Abscent

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

### 1.1. Product identifier

Trade name

Protox Abscent

▼ Unique formula identifier (UFI)

QX8G-4T2E-PW07-K08A

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

Relevant identified uses of the substance or mixture

Cleaning product

Use descriptors (REACH)

Sectors of use	Description
LCS "PW"	Professional uses: Public domain (administration, education, entertainment, services, craftsmen)
LCS "C"	Consumer uses: Private households (= general public = consumers)
Product category	Description
PC3	Air care products
PC35	Washing and Cleaning Products (including solvent based products)
Process category	Description
PROC28	Manual maintenance (cleaning and repair) of machinery
Environmental release category	Description
ERC8b	Wide dispersive indoor use of reactive substances in open systems

▼ Uses advised against

None known.

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

▼ Company and address

**Protox ApS**

Fabriksvej 19

6000 Kolding

Denmark

+45 75 50 40 22

E-mail

info@protox.dk

Revision

22/11/2022

SDS Version

2.0

Date of previous version

06/01/2022 (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

Ox. Sol. 1; H271, May cause fire or explosion; strong oxidiser.

Skin Corr. 1B; H314, Causes severe skin burns and eye damage.

Eye Dam. 1; H318, Causes serious eye damage.

### 2.2. Label elements

▼ Hazard pictogram(s)



Signal word

Danger

▼ Hazard statement(s)

May cause fire or explosion; strong oxidiser. (H271)

Causes severe skin burns and eye damage. (H314)

Safety statement(s)

General

If medical advice is needed, have product container or label at hand. (P101)

Keep out of reach of children. (P102)

▼ Prevention

Do not breathe dust. (P260)

Wear eye protection/protective gloves/protective clothing. (P280)

▼ Response

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water. (P303+P361+P353)

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.

Continue rinsing. (P305+P351+P338)

Storage

Store locked up. (P405)

▼ Disposal

Dispose of contents/container in accordance with local regulation  
. (P501)

Hazardous substances

sodium hydrogensulphate

Sodium chlorite

▼ Additional labelling

EUH032, Contact with acids liberates very toxic gas.

UFI: QX8G-4T2E-PW07-K08A

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 hydrogensulphate	CAS No.: 7681-38-1 EC No.: 231-665-7 UK-REACH: Index No.: 016-046-00-X	40-60%	Eye Dam. 1, H318	
Sodium chlorite	CAS No.: 7758-19-2 EC No.: 231-836-6 UK-REACH: Index No.:	5-10%	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)	
calcium chloride	CAS No.: 10043-52-4 EC No.: 233-140-8 UK-REACH: Index No.: 017-013-00-2	5-10%	Eye Irrit. 2, H319	

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

## ▼ Other information

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## 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

Flush exposed area with water for a long time - at least 30 minutes. It may be necessary to flush for several hours. Use a comfortable water temperature (20-30 °C). Contact Poison Information/doctor/hospital for further advice on follow-up and treatment.

Remove contaminated clothing and shoes immediately. Ensure to wash exposed skin thoroughly with water and soap. Skin cleanser can be used. DO NOT use solvents or thinners.

If skin irritation occurs: Get medical advice/attention.

#### ▼ Eye contact

Upon irritation of the eye: Remove contact lenses. Flush eyes with plenty of water or salt water (20-30°C) for at least 30 minutes and continue until irritation stops. Make sure you flush under the upper and lower eyelids. Seek medical assistance immediately and continue flushing during transport.

#### ▼ Ingestion

In the case of ingestion, contact a doctor immediately. If the person is conscious, give them water. DO NOT try to induce vomiting unless this is recommended by a doctor. Hold head facing down to prevent vomit returning mouth and throat. Prevent shock by keeping the injured person warm and calm. Initiate immediate resuscitation if breathing stops. If unconscious, roll the injured person into recovery position. Call an ambulance.

#### Burns

Rinse with water until pain stops then continue to rinse for 30 minutes.

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

Tissue-damaging effects: This product contains substances with skin corrosive properties. Inhaled vapour or aerosols may produce adverse effects to lungs, -irritations and burns in the respiratory organs -as well as coughing. Dermal contact and contact with the eye cause irreversible effects.

### 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

Suitable extinguishing media: Alcohol-resistant foam, carbon dioxide, powder, water mist.

Unsuitable extinguishing media: Waterjets should not be used, since they can spread the fire.

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

If the product is exposed to high temperatures, e.g. in the event of fire, dangerous decomposition compounds are produced. These are:

Halogenated compounds

Sulphur oxides

Some metal oxides

### 5.3. Advice for firefighters

Wear self-contained breathing apparatus and protective clothing to prevent contact. Upon direct exposure contact The National Poisons Information Service (dial 111, 24 h service) in order to obtain further advice.

## SECTION 6: Accidental release measures

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

Remove flammable materials if conditions allow it. Ensure sufficient ventilation.  
Avoid direct contact with spilled substances.

## 6.2. Environmental precautions

Avoid discharge to lakes, streams, sewers, etc.

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

Use only non-sparking tools. Clean up manually and place in appropriate containers for disposal.  
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

Avoid direct contact with the product.  
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

Must be stored in a cool and well-ventilated area, away from possible sources of ignition.

#### Recommended storage material

Keep only in original packaging.

#### Storage temperature

Dry, cool and well ventilated

#### 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

calcium chloride

Duration	Route of exposure	DNEL
Long term – Local effects - General population	Inhalation	2.5 mg/m <sup>3</sup>
Long term – Local effects - Workers	Inhalation	5 mg/m <sup>3</sup>
Short term – Local effects - General population	Inhalation	5 mg/m <sup>3</sup>
Short term – Local effects - Workers	Inhalation	10 mg/m <sup>3</sup>

Sodium chlorite

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

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

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

sodium hydrogensulphate

Route of exposure	Duration of Exposure	PNEC
Freshwater		11.09 mg/L
Freshwater sediment		40.2 mg/kg
Intermittent release (freshwater)		17.66 mg/L
Marine water		1.109 mg/L
Marine water sediment		4.02 mg/kg
Sewage treatment plant		800 mg/L
Soil		1.54 mg/kg

## 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 gas or dust.

### Hygiene measures

In between use of the product and at the end of the working day all exposed areas of the body must be washed thoroughly. Always wash hands, forearms and face.

### Measures to avoid environmental exposure

Keep damming materials near the workplace. If possible, collect spillage during work.

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

### ▼ Generally

Wear fire resistant or flame retardant clothing.

Use only UKCA marked protective equipment.

### ▼ Respiratory Equipment

Type	Class	Colour	Standards
No special when used as intended.			

### Skin protection

Recommended	Type/Category	Standards
No special when used as intended	-	-

### Hand protection

Material	Glove thickness (mm)	Breakthrough time (min.)	Standards
No special when used as intended	-	-	-

### Eye protection

Type	Standards
No special when used as intended.	-

## SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state

Solid

Colour

White

▼ Odour / Odour threshold

Characteristic

pH

Not applicable

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

Not applicable

▼ Relative density

Not applicable

▼ Kinematic viscosity

Not applicable

▼ Particle characteristics

Not applicable

Phase changes

▼ Melting point/Freezing point (°C)

Not applicable

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

Does not apply to solids.

Boiling point (°C)

Not applicable

Vapour pressure

Not applicable

Relative vapour density

Does not apply to solids.

Decomposition temperature (°C)

Not applicable

Data on fire and explosion hazards

Flash point (°C)

Not applicable

Auto-Ignition (°C)

Not applicable

Flammability (°C)

Not applicable

Lower and upper explosion limit (% v/v)

Not applicable

Solubility

▼ Solubility in water

Completely soluble

n-octanol/water coefficient

No data available

Solubility in fat (g/L)

No data available

9.2. Other information

▼ Evaporation rate (n-butylacetate = 100)

Not applicable

▼ Other physical and chemical parameters

No data available.

SECTION 10: Stability and reactivity

10.1. Reactivity

Contact with acids liberates very toxic gas.

10.2. Chemical stability

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

10.3. Possibility of hazardous reactions

Contact with acids liberates very toxic gas.

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

Causes severe skin burns and eye damage.

Serious eye damage/irritation

Causes serious eye damage.

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

Tissue-damaging effects: This product contains substances with skin corrosive properties. Inhaled vapour or aerosols may produce adverse effects to lungs, -irritations and burns in the respiratory organs -as well as coughing. Dermal contact and contact with the eye cause irreversible effects.

▼ 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.

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.

## SECTION 13: Disposal considerations

### ▼ Waste treatment methods

Product is covered by the regulations on hazardous waste.

HP 2 - Oxidising

HP 6 - Acute toxicity

HP 8 - Corrosive

HP 12 - Release of an acute toxic gas

Dispose of contents/container to an approved waste disposal plant.

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

### EWC code

16 09 04\* Oxidising substances, not otherwise specified




### ▼ 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) Labels: 5.1 Classification code: O2	14.4 PG*	14.5 Env**	Other information
ADR	UN1479	OXIDIZING SOLID, N.O.S. (Sodium chlorite)	Class: 5.1 Labels: 5.1 Classification code: O2 	II	No	Limited quantities: 1 kg Tunnel restriction code: (E) See below for additional information.
IMDG	UN1479	OXIDIZING SOLID, N.O.S. (Sodium chlorite)	Class: 5.1 Labels: 5.1 Classification code: O2 	II	No	Limited quantities: 1 kg EmS: F-A S-Q See below for additional information.
IATA	UN1479	OXIDIZING SOLID, N.O.S. (Sodium chlorite)	Class: 5.1 Labels: 5.1 Classification code: O2 	II	No	See below for additional information.

\* Packing group

\*\* Environmental hazards

### ▼ Additional information

ADR / See Table A, Section 3.2.1 for any information on special provisions, requirements, or warnings in connection with transport. See section 5.4.3, for instructions in writing regarding mitigation of damages in relation to incidents or accidents during transport.

IMDG / See section 3.2.1, for any information on special provisions, requirements, or warnings in connection with transport.

IATA / See Table 4.2 for any information on special provisions, requirements, or warnings in connection with transport.

This product is within scope of the regulations of transport of dangerous goods.

### 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

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

#### ▼ Demands for specific education

No specific requirements.

#### ▼ SEVESO - Categories / dangerous substances

P8 - OXIDISING LIQUIDS AND SOLIDS, Qualifying quantity (lower-tier): 50 tonnes / (upper-tier): 200 tonnes

#### Additional information

Tactile warning.

If this product is sold in retail, it must be delivered with child-resistant fastening.

#### ▼ Sources

The Management of Health and Safety at Work Regulations 1999.

Regulation (EC) No 648/2004 on detergents as retained and amended in UK law.

Control of Major Accident Hazards (COMAH) Regulations 2015.

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.

H319, Causes serious eye irritation.

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)

LCS "C" = Consumer uses: Private households (= general public = consumers)

PROC28 = Manual maintenance (cleaning and repair) of machinery

PC3 = Air care products

PC35 = Washing and Cleaning Products (including solvent based products)

ERC8b = Wide dispersive indoor use of reactive substances in open systems

#### ▼ 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**

The classification of the substance/mixture in regard to health hazards are in accordance with the calculation methods given by Regulation (EC) No. 1272/2008 (CLP) as retained and amended in UK law.  
 The classification of the mixture in regard to physical hazards has been based on experimental data.

▼ **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