

## SAFETY DATA SHEET

# Protox Hysan Konc.

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

#### 1.1. Product identifier

##### Trade name

Protox Hysan Konc.

##### Unique formula identifier (UFI)

PX4Q-00RA-F00G-E9W1

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

##### ▼ 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

23/11/2022

##### SDS Version

2.0

##### Date of previous version

14/06/2022 (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

None known.

### ▼ Additional labelling

EUH031, Contact with acids liberates toxic gas.

EUH210, Safety data sheet available on request.

UFI: PX4Q-00RA-F00G-E9W1

## 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 and open eyes widely. Flush eyes with water or saline water(20-30°C) for at least 5 minutes. Seek medical assistance and continue flushing during transport.

#### 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

None known.

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.

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

Containers that have been opened must be carefully resealed and kept upright to prevent leakage.

Recommended storage material

Always store in containers of the same material as the original container.

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

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

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


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	
In the event of prolonged exposure or high concentrations	B	Class 2 (medium capacity)	Gray	EN14387	
When there is risk of formation of mist/aerosol	SL	P3	White	EN149	

### ▼ Skin protection

Work situation	Recommended	Type/Category	Standards	
In the event of prolonged exposure or high concentrations	Dedicated work clothing should be worn	-	-	

### ▼ Hand protection

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

Work situation	Material	Glove thickness (mm)	Breakthrough time (min.)	Standards	
In the event of prolonged exposure or high concentrations	Nitrile	-	-	EN374-2	
<b>▼ Eye protection</b>					
Work situation	Type			Standards	
Industrial spraying	Wear safety glasses with side shields.			EN166	
When there is risk of splash- / intermittent exposure	Safety glasses			EN166	

## SECTION 9: Physical and chemical properties

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

#### Physical state

Liquid

#### Colour

Transparent

#### Odour / Odour threshold

Characteristic

#### pH

10,1

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

1.0085

#### Kinematic viscosity

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

#### Particle characteristics

Not applicable - product is a liquid

#### Phase changes

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

Not applicable - product is a liquid

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

Does not apply to liquids.

##### Boiling point (°C)

100

##### Vapour pressure

0.76 mmHg

##### Relative vapour density

No data available

##### Decomposition temperature (°C)

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

#### 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)**

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

▼ **Other physical and chemical parameters**

No data available.

**SECTION 10: Stability and reactivity**

**10.1. Reactivity**

Contact with acids liberates 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 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**

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**

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

## 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 12 – Release of an acute toxic gas

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

None known.

#### ▼ Demands for specific education

No specific requirements.

#### ▼ SEVESO - Categories / dangerous substances

Not applicable.

#### ▼ 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

H302, Harmful 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 "C" = Consumer uses: Private households (= general public = consumers)  
 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)

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**

Not applicable.

▼ **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