Oxine Pro disinfection

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH), (EU) 2020/878

Issue date: 01/04/2022 Version: 1.0

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

1.1. Product identifier

Trade name: Oxine Pro disinfection

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

Relevant identified uses: Surface disinfection

Product type: PT2, PT3, PT4, PT5, PT11, PT12

1.3. Details of the supplier of the safety data sheet

European Hygiene Tech AS
Skjergardsvegen 333
5353 STRAUME
Norway
Tel: +47 905 95 044
E-mail: post@eht-as.no
www.eht-as.no

1.4. Emergency telephone number

Denmark: Danish Poison Center (Giftlinjen): +45 8212 1212
Poland: Emergency telephone number 112

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

Not classified

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 (CLP):

Precautionary statements: P102 - Keep out of reach of children.

2.3. Other hazards

PBT / vPvB: This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII. This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII.

Endocrine disrupting properties: The mixture does not contain endocrine disruptors above 0.1%, according to (EU) 2017/2100 or (EU) 2018/605.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

This mixture does not contain any substances to be mentioned according to the criteria of section 3.2 of REACH Annex II.

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general:	In case of doubt or persistent symptoms, consult always a physician.
In case of inhalation:	Remove person to fresh air and keep comfortable for breathing.
In case of skin contact:	Rinse with water.
In case of contact with eyes:	Rinse gently with lukewarm water for several minutes. Remove contact lenses, if present and easy to do. Seek medical attention if irritation persists.
In case of ingestion:	Rinse mouth. Give plenty of water to drink. Do not induce vomiting. Do not give an unconscious person anything to drink. Contact a doctor in case of discomfort.

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

In case of contact with eyes:	May cause slight irritation.
In case of ingestion:	May cause discomfort.

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

Other information:	Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media:	Use fire-extinguishing media appropriate for surrounding materials.
Unsuitable extinguishing media:	Do not use straight streams.

5.2. Special hazards arising from the substance or mixture

Fire hazard:	Not classified as flammable.
Hazardous decomposition products in case of fire:	Small amounts: Chlorine compounds. Sodium oxides.

5.3. Advice for firefighters

Protection during firefighting:	Wear a self-contained breathing apparatus (SCBA) and appropriate personal protective equipment (PPE).

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures:	Ventilate spillage area. Avoid contact with eyes. Avoid prolonged or repeated contact with skin. Use personal protective equipment as required. Refer to section 8.

6.2. Environmental precautions

Measures not normally required. Avoid major release to the environment.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up:	Wipe up small amounts with a cloth. Rinse with water. Take up liquid spill into inert absorbent material. Shovel into suitable and closed container for disposal.
Other information:	Dispose of materials or solid residues at an authorized site. Refer to section 13.

6.4. Reference to other sections

For further information refer to section 8 and 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling:	Ensure good ventilation of the workstation. Avoid contact with eyes. Avoid prolonged or repeated contact with skin. Wear personal protective equipment. Refer to section 8.
Hygiene measures:	Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions:	Store in a well-ventilated place. Keep cool. Store in original container. Store in a closed container. Keep away from heat and direct sunlight.
Incompatible materials:	Strong oxidizers. Strong reducing agents.

7.3. Specific end use(s)

See section 1.2.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Workplace exposure limit:

Chlorine dioxide (CAS-no. 10049-04-4):

Country	Local name	Workplace exposure limit	Comments
Denmark	Chlordioxid	0.1 ppm / 0.3 mg/m^3	
Poland	Ditlenek chloru	NDS 0.3 mg/m^3 NDSCh 0.9 mg/m^3	

Regulatory reference:	Denmark: BEK nr 2203 af 29/11/2021, Bekendtgørelse om grænseværdier for stoffer og materialer Poland: Rozporządzenie Ministra Rodziny, Pracy i Polityki Społecznej z dnia 9 stycznia 2020 r. zmieniające rozporządzenie w sprawie najwyższych dopuszczalnych stężeń i natężeń czynników szkodliwych dla zdrowia w środowisku pracy.
Comments:	Contains no substances with Union occupational exposure limit values.

8.2. Exposure controls

Appropriate engineering controls:

Appropriate engineering controls:	Ensure good ventilation of the workstation. Personal protective equipment must be chosen on the basis of the risk assessment. The supplier of the protective equipment can assist in the evaluation and choice of the equipment.

Eye / face protection:

Eye protection:	Normally not necessary. If risk of exposure: Tightly fitting safety goggles.
Standard:	EN 166

Hand protection:

Suitable gloves:	Normally not necessary. For prolonged or repeated use, use chemical resistant gloves. PVC. Neoprene. Nitril.

Breakthrough time:	Not determined.
Glove thickness:	Not determined.
Standard:	EN 374

Skin protection:

Suitable protective clothing:	Normal work clothes.

Respiratory protection:

Respiratory protection:	Not required for normal use and adequate ventilation. if risk of inhalation of high concentrations of vapours/gas, use respiratory protection with filter B.
Standard:	EN 14387

Environmental exposure controls:

Measures not normally required. Avoid major release to the environment.

Other information:

Eye wash station should be available at the workplace.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state:	Liquid
Colour:	Slightly greenish
Odour:	Almost odourless
Melting point / freezing point:	≈ 0 °C
Boiling point:	≈ 100.5 °C
Flammability:	Not applicable
Explosion limit:	Not applicable
Flash point:	Not applicable
Auto-ignition temperature:	No data available
Decomposition temperature:	No data available
pH:	7
Kinematic viscosity:	No data available
Solubility:	Soluble in water.
Partition coefficient n-octanol/water (Log Pow):	No data available
Vapour pressure:	23.7 mm Hg (25 °C)
Density / relative density:	1.03 g/ml
Relative vapour density:	No data available
Particle characteristics:	Not applicable

9.2. Other information

Comments:	No additional information available.

SECTION 10: Stability and reactivity

10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

10.2. Chemical stability

Decreases over time in direct sunlight.

10.3. Possibility of hazardous reactions

None known.

10.4. Conditions to avoid

Keep away from heat and direct sunlight.

10.5. Incompatible materials

Strong bases. Strong acids. Strong oxidizing agents. Strong reducing agents.

10.6. Hazardous decomposition products

Under normal conditions of storage hazardous decomposition products should not be produced. See also section 5.2. In alkaline solutions chlorite and chlorate are formed. See also section 5.2.

SECTION 11: Toxicological information

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

Acute toxicity

Assessment of classification, acute toxicity (oral),	Not classified. (Based on available data, the classification criteria are not met.)
Assessment of classification, acute toxicity (dermal):	Not classified. (Based on available data, the classification criteria are not met.)
Assessment of classification, acute toxicity (inhalation):	Not classified. (Based on available data, the classification criteria are not met.)

Components:

Citric acid (CAS- 77-92-9)	
LD50 oral rat	6730 mg/kg

Skin corrosion / irritation

Assessment of classification:	Not classified. (Based on available data, the classification criteria are not met.)

Serious eye damage/ irritation

Assessment of classification:	Not classified. (Based on available data, the classification criteria are not met.)

Respiratory or skin sensitisation

Assessment of classification:	Not classified. (Based on available data, the classification criteria are not met.)

Germ cell mutagenicity

Assessment of classification:	Not classified. (Based on available data, the classification criteria are not met.)

Carcinogenicity

Assessment of classification:	Not classified. (Based on available data, the classification criteria are not met.)

Reproductive toxicity

Assessment of classification:	Not classified. (Based on available data, the classification criteria are not met.)

STOT – single exposure

Assessment of classification:	Not classified. (Based on available data, the classification criteria are not met.)

STOT – repeated exposure

Assessment of classification: Not classified. (Based on available data, the classification criteria are not met.)

Aspiration hazard

Assessment of classification: Not classified. (Based on available data, the classification criteria are not met.)

Symptoms of exposure

In case of contact with eyes: May cause slight irritation.

In case of ingestion: May cause discomfort.

11.2 Information on other hazards

Endocrine disruptors properties: Not relevant.

SECTION 12: Ecological information

12.1. Toxicity

Hazardous to the aquatic environment, short-term (acute): Not classified. (Based on available data, the classification criteria are not met.)

Hazardous to the aquatic environment, long-term (chronic): Not classified. (Based on available data, the classification criteria are not met.)

Components:

Chlorine dioxide (CAS-no. 10049-04-4)	
LC50 fish (96h)	0,02 mg/l (Pimephales promelas)
EC50 daphnia (48h)	1,8 mg/l (Daphnia pulex)

12.2. Persistence and degradability

Persistence and degradability: Not relevant. Inorganic substance.

12.3. Bioaccumulative potential

Bioaccumulative potential: No bioaccumulation.

Components:

Chlorine dioxide (CAS-no. 10049-04-4)	
Log Kow	< 0

12.4. Mobility in soil

Mobility: Soluble in water.

12.5. Results of PBT and vPvB assessment

PBT / vPvB: This substance/mixture does not meet the PBT / vPvB criteria of REACH regulation, annex XIII.

12.6. Endocrine disrupting properties

Endocrine disrupting properties: Not relevant.

12.7. Other adverse effects

Additional information: Avoid release to the environment.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste treatment methods:	Non-hazardous waste. Large quantities: Remove to an authorized waste treatment plant.
Recommendations for disposal of packaging:	The packaging can be disposed of with normal waste.
Additional information:	The stated LoW code is indicative and must be considered in relation to the actual condition of the chemical. The final code must be determined by the user, based on the actual use of the chemical.
European List of Waste (LoW) code:	16 03 04 - inorganic wastes other than those mentioned in 16 03 03

SECTION 14: Transport information

14.1. UN number

Not regulated.

14.2. UN proper shipping name

Not regulated.

14.3. Transport hazard class(es)

Not regulated.

14.4. Packing group

Not regulated.

14.5. Environmental hazards

Not regulated.

14.6. Special precautions for user

Not regulated.

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable.

SECTION 15: Regulatory information

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

Regulations:	Regulation (EC) No 528/2012 concerning the making available on the market and use of biocidal products. Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures. Regulation (EC) No 1907/2006 on the registration, evaluation, authorization and restriction of chemicals (REACH Regulation), with later amendments. The Carriage of Dangerous Goods and Use of Transportable Pressure Equipment Regulations 2009. The Hazardous Waste Regulations

15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

SECTION 16: Other information

Abbreviations and acronyms:

EC50	The effective concentration of substance that causes 50% of the maximum response.
LC50	Median lethal concentration.
LD50	Median lethal dose.
PBT	Persistent Bioaccumulative Toxic
vPvB	Very Persistent and Very Bioaccumulative

Data sources:	Safety Data Sheet from the supplier/manufacturer.
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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.