

# SAFETY DATA SHEET according to Regulation 1907/2006

Product name: **Mixed disinfectant in water solution-oxylor**

Creation date: **12.3.2015** · Revision: **8.4.2016** · Version: **2**

## SECTION 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

### 1.1. Product identifier

#### Product name

**Mixed disinfectant in water solution-oxylor**



chemius.net/2f969

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

#### Use

Disinfectant.

#### Uses advised against

No information

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

#### Manufacturer

SIGMA DOO  
Address: Maršala Tita 248b, 25230 Kula, Serbia  
Tel.: 025-731-972  
Fax: 025-731-805  
e-mail: office@hlorogen.com

### 1.4. Emergency telephone number

#### Emergency

112

#### Supplier

025-731-972

## SECTION 2. HAZARDS IDENTIFICATION

### 2.1 Classification of the substance or mixture

#### Classification according to Reg. 1272/2008

According to the regulation, the chemical is not classified as hazardous.

### 2.2 Label elements

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

Pictograms not applicable according to Regulation 1272/2008.

#### 2.2.2. Contains:

-

#### 2.2.3. Special provisions

The product is not classified as dangerous according to regulations.

### 2.3. Other hazards

No data available.

## SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

### **Product description**

The product is an aqueous solution of sodium hypochlorite and chlorine dioxide.

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## 3.1. Substances

For mixtures see 3.2.

## 3.2. Mixtures

Chemical name	CAS EC Index	%	Classification according to Regulation (EC) No 1272/2008 [CLP]	REACH reg. number
Active chlorine generated from sodium chloride by electrolysis	- - -	0,1-0,5	Skin Corr. 1B; H314 Aquatic Acute 1; H400	-
Chlorine dioxide generated from sodium chlorite by electrolysis	10049-04-4 233-162-8 017-026-01-0	0,01-0,1	Acute Tox. 3; H301 Skin Corr. 1B; H314 Aquatic Acute 1; H400	-

## SECTION 4. FIRST AID MEASURES

### 4.1. Description of first aid measures

#### General measures

Never give anything by mouth to an unconscious person. Place patient stably in side position for transportation.

#### Inhalation

Remove patient to fresh air-move out of dangerous area. If symptoms persist seek medical attention.

#### Skin contact

Take off all contaminated clothing. If feeling unwell seek medical help. Areas of the body that have come into contact with the product must be rinsed with water.

#### Eye contact

Immediately flush eyes with plenty of water while keeping eyelids open (at least 15 minutes). If irritation persists, seek professional medical attention.

#### Ingestion

Do not induce vomiting. Rinse mouth with water and drink a glass of water by sips! In case of doubt or if feeling unwell seek medical help. Show the physician the Safety Data Sheet or label.

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

#### Inhalation

-

#### Skin contact

-

#### Eye contact

-

#### Ingestion

-

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

Treat symptomatic.

## SECTION 5. FIREFIGHTING MEASURES

### 5.1. Extinguishing media

#### Suitable extinguishing media

Use the usual extinguishing measures (carbon dioxide (CO<sub>2</sub>), dry chemical, foam; water spray)

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## Unsuitable extinguishing media

No special precautions required.

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

### Hazardous combustion products

In case of heating harmful vapours/gases can be generated.

## 5.3. Advice for firefighters

### Protective actions

-

### Special protective equipment for fire-fighters

Fire-fighters should wear appropriate protective clothing for fire-fighters (including helmets, protective boots and gloves) (EN 469) and self-contained breathing apparatus (SCBA) with a full face-piece (EN 137) .

### Additional information

The product is not flammable.

## SECTION 6. ACCIDENTAL RELEASE MEASURES

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

#### 6.1.1. For non-emergency personnel

##### **Protective equipment**

Use personal protective equipment (Section 8).

##### **Emergency procedures**

Ensure adequate ventilation.

#### 6.1.2. For emergency responders

-

### 6.2. Environmental precautions

Do not allow product to reach water/drains/sewage systems or permeable soil.

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

#### 6.3.1. For containment

Prevent spilling.

#### 6.3.2. For cleaning up

Absorb product (with inert material), collect it in special container and dispose it according to valid regulations on handling with waste.

#### 6.3.3. Other information

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### 6.4. Reference to other sections

See also sections 8 and 13.

## SECTION 7. HANDLING AND STORAGE

### 7.1. Precautions for safe handling

#### 7.1.1. Protective measures

##### **Measures to prevent fire**

Ensure adequate ventilation.

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## Measures to prevent aerosol and dust generation

-

## Measures to protect the environment

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### 7.1.2. Advice on general occupational hygiene

Use good personal hygiene practices-wash hands at breaks and when done working with material. Do not eat, drink or smoke while working. Do not breathe vapours/mist.

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

### 7.2.1. Technical measures and storage conditions

Keep in cool and well ventilated area. Keep away from food, drink and animal feedingstuffs.

### 7.2.2. Packaging materials

-

### 7.2.3. Requirements for storage rooms and vessels

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### 7.2.4. Storage class

-

### 7.2.5. Further information on storage conditions

-

## 7.3. Specific end use(s)

### Recommendations

-

### Industrial sector specific solutions

-

## SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1. Control parameters

#### 8.1.1. Occupational Exposure limit values

Chemical name (CAS)	Limit values		Short-term exposure limit		Remarks	Biological Tolerance Values
	ml/m <sup>3</sup> (ppm)	mg/m <sup>3</sup>	ml/m <sup>3</sup> (ppm)	mg/m <sup>3</sup>		
Chlorine dioxide (10049-04-4)	0,1	0,28	0,3	0,84		

#### 8.1.2. Information on monitoring procedures

BS EN 14042:2003 Title Identifier: Workplace atmospheres. Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents.

#### 8.1.3. DNEL values

No information

#### 8.1.4. PNEC values

No information

### 8.2. Exposure controls

#### 8.2.1. Appropriate engineering control

##### Substance/mixture related measures to prevent exposure during identified uses

Use good personal hygiene practices-wash hands at breaks and when done working with material.

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## Technical measures to prevent exposure

Provide good ventilation and local exhaust in the area with increased concentration.

### 8.2.2. Personal protective equipment

#### Eye and face protection

Safety goggles.

#### Hand protection

Use only protective gloves with CE-labelling of category III (EN 374).

#### Skin protection

No requirements under normal use conditions.

#### Respiratory protection

Not required when there is adequate ventilation.

#### Thermal hazards

-

### 8.2.3. Environmental exposure controls

-

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

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

-	<b>Physical state:</b>	liquid
-	<b>Colour:</b>	yellowish
-	<b>Odour:</b>	chlorine

### Important health, safety and environmental information

-	<b>pH</b>	8,74 – 9,06
-	<b>Melting point/Freezing point</b>	< 0 °C
-	<b>Initial boiling point/boiling range</b>	100 °C
-	<b>Flashpoint</b>	Not flammable
-	<b>Evaporation rate</b>	No information
-	<b>Ignition temperature</b>	Not flammable.
-	<b>Explosion limits (vol%)</b>	No information
-	<b>Vapour pressure</b>	No information
-	<b>Vapour density</b>	No information
-	<b>Density</b>	<b>Density:</b> 1,004 g/cm <sup>3</sup>
-	<b>Solubility</b>	<b>Water:</b> Completely soluble
-	<b>Partition coefficient</b>	No information
-	<b>Auto-ignition temperature</b>	No information
-	<b>Decomposition temperature</b>	No information
-	<b>Viscosity</b>	No information
-	<b>Explosive properties</b>	No information
-	<b>Oxidising properties</b>	No information

### 9.2. Other information

-	<b>Remarks:</b>	
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## SECTION 10. STABILITY AND REACTIVITY

### 10.1. Reactivity

Stable under normal conditions.

### 10.2. Chemical stability

Product is stable under normal conditions according to handling and storage.

### 10.3. Possibility of hazardous reactions

The product is stable under recommended storage and handling conditions.

### 10.4. Conditions to avoid

No special precautions required. Consider the directions for use and storage.

### 10.5. Incompatible materials

No data.

### 10.6. Hazardous decomposition products

Under normal use conditions no hazardous decomposition products expected. In case of fire/explosion vapours dangerous for health are spread.

## SECTION 11. TOXICOLOGICAL INFORMATION

### 11.1. Information on toxicological effects

#### 11.1.1. Acute toxicity

No information

#### 11.1.2. Skin corrosion/irritation, serious eye damage/irritation

##### **Additional information**

Eye contact may cause irritation.

#### 11.1.3. Respiratory or skin sensitisation

No information

#### 11.1.4. Carcinogenicity, Mutagenicity, Reproductive toxicity

##### **Carcinogenicity**

No information

##### **(Germ cell) mutagenicity**

No information

##### **Reproductive toxicity**

No information

##### **Summary of evaluation of the CMR properties**

The product is not classified as carcinogenic, mutagenic or toxic for reproduction.

#### 11.1.5. STOT - single and repeated exposure

No information

#### 11.1.6. Aspiration hazard

No information

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## SECTION 12. ECOLOGICAL INFORMATION

### 12.1. Toxicity

#### 12.1.1. Acute (short-term) toxicity

No information

#### 12.1.2. Chronic (long-term) toxicity

No information

### 12.2. Persistence and degradability

#### 12.2.1. Abiotic degradation, physical- and photo-chemical elimination

No information

#### 12.2.2. Biodegradation

No information

### 12.3. Bioaccumulative potential

#### 12.3.1. Partition coefficient

No information

#### 12.3.2. Bioconcentration factor (BCF)

No information

### 12.4. Mobility in soil

#### 12.4.1. Known or predicted distribution to environmental compartments

No information

#### 12.4.2. Surface tension

No information

#### 12.4.3. Adsorption/Desorption

No information

### 12.5. Results of PBT and vPvB assessment

No evaluation.

### 12.6. Other adverse effects

No information

## SECTION 13. DISPOSAL CONSIDERATIONS

### 13.1. Waste treatment methods

#### 13.1.1. Product / Packaging disposal

##### **Waste chemical**

Dispose according to regulations.

##### **- Waste codes / waste designations according to LoW**

19 08 99 - wastes not otherwise specified

19 09 99 - wastes not otherwise specified

##### **Packaging**

Completely emptied containers leave to approved waste disposal authorities in charge.

#### 13.1.2. Waste treatment-relevant information

-

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## 13.1.3. Sewage disposal-relevant information

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## 13.1.4. Other disposal recommendations

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## SECTION 14. TRANSPORT INFORMATION

### 14.1. UN number

not applicable

### 14.2. UN proper shipping name

Not dangerous according to transport regulations.

### 14.3. Transport hazard class(es)

not applicable

### 14.4. Packing group

not applicable

### 14.5. Environmental hazards

NO

### 14.6. Special precautions for user

Not dangerous goods in conformity with in transport regulation.

### 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

- Regulation (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (including last amendment Commission Regulation (EU) 2015/830)

- Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures

#### 15.1.1. Information according 2004/42/EC about limitation of emissions of volatile organic compounds (VOC-guideline)

not applicable

### 15.2. Chemical Safety Assessment

No Chemical Safety Assessment has been carried out for this substance/mixture by the supplier.

## SECTION 16. OTHER INFORMATION

### Indication of changes

-

### Key literature references and sources for data

Toxicological and ecotoxicological data downloaded from the ECHA EUROPEAN CHEMICALS AGENCY.



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## List of relevant H phrases

- H301 Toxic if swallowed.
- H314 Causes severe skin burns and eye damage.
- H400 Very toxic to aquatic life.



- Provided correct labelling of the product
- Compliance with the local legislation
- Provided correct classification of the product
- Provided adequate transport data

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The information of this SDS is based on the present state of our knowledge and meets the requirements of EU and national laws. The user's working conditions however, are beyond our knowledge and control. The product is not to be used for purposes other than those specified under section 1 without a written permission. It remains the responsibility of the user to ensure that the necessary steps are taken to meet the laws and regulations. Handling of the product may only be done by people above 18 years of age, who are satisfactorily informed of how to do the work, the hazardous properties and necessary safety precautions. The information given in this SDS is to describe the product only in terms of health and safety requirements and should not, therefore, be construed as guaranteeing specific properties.