

# SAFETY DATA SHEET according to Regulation 1907/2006

Product name: **1% aqueous solution of sodium hypochlorite-Aqualor H**

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

**1% aqueous solution of sodium hypochlorite-Aqualor H**



chemius.net/k7C93

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

#### Use

Disinfectant for hands and surfaces.

#### 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

Skin Irrit. 2; H315 Causes skin irritation.  
Eye Irrit. 2; H319 Causes serious eye irritation.

### 2.2 Label elements

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



Signal word: **Warning**

H315 Causes skin irritation.  
H319 Causes serious eye irritation.  
P102 Keep out of reach of children.  
P280 Wear protective gloves/protective clothing/eye protection/face protection.  
P302 + P350 IF ON SKIN: Gently wash with plenty of soap and water.  
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P337 + P313 If eye irritation persists: Get medical advice/attention.  
P501 Dispose of contents/container in accordance with local regulation.

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## 2.2.2. Contains:

-

## 2.2.3. Special provisions

Special hazards are not known or expected.

## **2.3. Other hazards**

No data available.

## SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

### **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	- - -	0,1-1	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 victim has difficulties with breathing or is not breathing give artificial respiration. If symptoms occur it is necessary to search for medical help.

#### Skin contact

Areas of the body that have come into contact with the product must be rinsed with water. Wash contaminated clothes and shoes before reuse.

#### Eye contact

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

#### Ingestion

Do not induce vomiting. Rinse mouth with water. Consult a physician. 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

-

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

No data.

## SECTION 5. FIREFIGHTING MEASURES

### 5.1. Extinguishing media

#### Suitable extinguishing media

Carbon dioxide. Dry chemical powder. Water spray. Alcohol resistant foam.

#### Unsuitable extinguishing media

-

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

#### Hazardous combustion products

Chlorine. Oxygen.

### 5.3. Advice for firefighters

#### Protective actions

In case of fire do not breathe fumes/gases.

#### 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) .

## 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. If accidental entry into water or ground occurs, inform responsible authorities.

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

#### 6.3.1. For containment

-

#### 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.

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## SECTION 7. HANDLING AND STORAGE

### 7.1. Precautions for safe handling

#### 7.1.1. Protective measures

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

Ensure adequate ventilation.

##### **Measures to prevent aerosol and dust generation**

-

##### **Measures to protect the environment**

-

#### 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. Protect from open fire, heat and direct sunlight. Keep away from acids. Keep out of the reach of children. Keep away from food, drink and animal feedingstuffs. Avoid contact with metals such as aluminum, copper, iron and steel. Storage temperature: 10 - 30 ° C ..

#### 7.2.2. Packaging materials

-

#### 7.2.3. Requirements for storage rooms and vessels

-

#### 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

No information

#### 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

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## 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.

#### 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 glasses with side protection (EN 166).

#### Hand protection

Protective gloves (EN 374).

#### Skin protection

Wear suitable protective clothing.

#### Respiratory protection

Wear suitable protective breathing mask (EN 136) with filter A2-P2 (EN 14387).

#### Thermal hazards

-

### 8.2.3. Environmental exposure controls

#### Substance/mixture related measures to prevent exposure

Avoid discharge into drains and surface waters.

## 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

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## Important health, safety and environmental information

-	<b>pH</b>	9,34 – 9,54
-	<b>Melting point/Freezing point</b>	No information
-	<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> 1,022 g/cm <sup>3</sup>
-	<b>Solubility</b>	<b>Water:</b> Completely soluble
-	<b>Partition coefficient</b>	No information
-	<b>Auto-ignition temperature</b>	not selfigniting
-	<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>	Freezing point: <0
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## SECTION 10. STABILITY AND REACTIVITY

### 10.1. Reactivity

Stable under recommended transport or storage conditions.

### 10.2. Chemical stability

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

### 10.3. Possibility of hazardous reactions

No data.

### 10.4. Conditions to avoid

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

### 10.5. Incompatible materials

Acids.

### 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. Chlorine. Oxygen.

## SECTION 11. TOXICOLOGICAL INFORMATION

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## 11.1. Information on toxicological effects

### 11.1.1. Acute toxicity

No information

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

No information

### 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

## 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

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## 12.4.3. Adsorption/Desorption

No information

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

No evaluation.

## **12.6. Other adverse effects**

No information

## **12.7. Additional information**

### **For product**

Do not allow to enter ground water, water course or sewage system.

## **SECTION 13. DISPOSAL CONSIDERATIONS**

### **13.1. Waste treatment methods**

#### 13.1.1. Product / Packaging disposal

##### **Waste chemical**

Disposal must be made according to official regulations: to leave it to authorized collector/remover/transformer of hazardous waste.

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

19 08 99 - wastes not otherwise specified

##### **Packaging**

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

#### 13.1.2. Waste treatment-relevant information

-

#### 13.1.3. Sewage disposal-relevant information

-

#### 13.1.4. Other disposal recommendations

-

## **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.



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## 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

-

#### List of relevant H phrases

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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