

# Safety Data Sheet

according to UK REACH Regulation

## Oxygen Bleach

Revision date: 11.04.2024

Product code: 046

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

#### 1.1. Product identifier

Oxygen Bleach

UFI: 3TK0-00WY-900S-QD40

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

##### Use of the substance/mixture

Bleaching additive as a supplement to basic detergents

##### Uses advised against

Not known.

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

Company name:	Sodasan GmbH	
Street:	Rudolf-Diesel-Str. 19	
Place:	D-26670 Uplengen	
Telephone:	0495640720	Telefax: 04956407299
E-mail:	info@sodasan.com	
Contact person:	Frau Grätz	Telephone: 04956407234
E-mail:	mg@sodasan.com	
Internet:	www.sodasan.de	
Responsible Department:	QS	

**1.4. Emergency telephone number:** Gifftinformationszentrum-Nord (Universitätsmedizin Göttingen): 0551 19240 (24h)

#### Further Information

Not known.

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

##### GB CLP Regulation

Acute Tox. 4; H302

Eye Dam. 1; H318

Full text of hazard statements: see SECTION 16.

#### 2.2. Label elements

##### GB CLP Regulation

##### Hazard components for labelling

Sodium percarbonate

**Signal word:** Danger**Pictograms:****Hazard statements**

H302	Harmful if swallowed.
H318	Causes serious eye damage.

**Precautionary statements**

P501	Dispose of contents/container to waste disposal in accordance with local/regional regulation.
P102	Keep out of reach of children.

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P301+P312	IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P304+P312	IF INHALED: Call a POISON CENTER or doctor/physician if you feel unwell.
P302+P352	IF ON SKIN: Wash with plenty of water and soap.

### 2.3. Other hazards

Not known.

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

#### Relevant ingredients

CAS No	Chemical name	Quantity
	EC No	
	Index No	
	REACH No	
	Classification (GB CLP Regulation)	
15630-89-4	Sodium percarbonate	65 - < 70 %
	239-707-6	
	01-2119457268-30	
	Ox. Liq. 3, Acute Tox. 4, Eye Dam. 1; H272 H302 H318	
497-19-8	sodium carbonate	30 - < 35 %
	207-838-8	
	011-005-00-2	
	Eye Irrit. 2; H319	

Full text of H and EUH statements: see section 16.

#### Specific Conc. Limits, M-factors and ATE

CAS No	EC No	Chemical name	Quantity
		Specific Conc. Limits, M-factors and ATE	
15630-89-4	239-707-6	Sodium percarbonate	65 - < 70 %
		oral: ATE = 500 mg/kg	
497-19-8	207-838-8	sodium carbonate	30 - < 35 %
		oral: LD50 = 4090 mg/kg	

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

#### General information

When in doubt or if symptoms are observed, get medical advice.  
 Never give anything by mouth to an unconscious person or a person with cramps.  
 If unconscious but breathing normally, place in recovery position and seek medical advice.

#### After inhalation

Remove casualty to fresh air and keep warm and at rest.  
 If breathing is irregular or stopped, administer artificial respiration.

#### After contact with skin

Immediately remove any contaminated clothing, shoes or stockings.  
 After contact with skin, wash immediately with plenty of water and soap.  
 Do not wash with: Solvents/Thinner.

#### After contact with eyes

In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart and consult an ophthalmologist. Remove contact lenses, if present and easy to do. Continue rinsing. Call a physician immediately.

#### After ingestion

If accidentally swallowed rinse the mouth with plenty of water (only if the person is conscious) and obtain

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immediate medical attention.  
Put victim at rest, cover with a blanket and keep warm.  
Do NOT induce vomiting.

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

Not known.

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

Not known.

## **SECTION 5: Firefighting measures**

### **5.1. Extinguishing media**

#### **Suitable extinguishing media**

alcohol resistant foam, Carbon dioxide (CO<sub>2</sub>), Extinguishing powder, Water mist

#### **Unsuitable extinguishing media**

Full water jet

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

Can intensify fire.  
Use appropriate respiratory protection.

### **5.3. Advice for firefighters**

Use water spray jet to protect personnel and to cool endangered containers.  
Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

## **SECTION 6: Accidental release measures**

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

#### **General advice**

Keep away from sources of ignition - No smoking. Ventilate affected area.  
Avoid breathing dust/fume/gas/mist/vapours/spray.  
Safe handling: see section 7  
Personal protection equipment: see section 8

### **6.2. Environmental precautions**

Do not allow to enter into surface water or drains.  
In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.

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

#### **Other information**

Prevent spread over a wide area (e.g. by containment or oil barriers). Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents).  
Collect in closed and suitable containers for disposal. Disposal: see section 13  
Clean with detergents. Avoid solvent cleaners.

### **6.4. Reference to other sections**

Observe protective measures under sections 7, 8 and 13.

## **SECTION 7: Handling and storage**

### **7.1. Precautions for safe handling**

#### **Advice on safe handling**

Avoid contact with skin, eyes and clothes. Avoid: Inhalation of vapours or spray/mists. When using do not eat, drink, smoke, sniff. Personal protection equipment: see section 8

Never use pressure to empty container. Keep/Store only in original container.

Do not allow to enter into surface water or drains.

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### Advice on protection against fire and explosion

No special actions required. Follow normal chemical handling precautions.

### Advice on general occupational hygiene

General hygiene measures. Do not eat, drink or smoke in work areas Wash hands after use Remove contaminated clothing and protective equipment before entering eating areas.

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

#### Requirements for storage rooms and vessels

Store in accordance with: Betriebssicherheitsverordnung (BetrSichV).

#### Hints on joint storage

Do not store with acids, reducing agents and combustible substances. Do not store together with: Oxidizing agent, Strong acid, Strong alkali

### 7.3. Specific end use(s)

Bleaching additive as a supplement to basic detergents

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### Additional advice on limit values

To date, no national critical limit values exist.

### 8.2. Exposure controls

#### Appropriate engineering controls

Provide adequate ventilation.

If handled uncovered, arrangements with local exhaust ventilation should be used if possible.

If technical exhaust or ventilation measures are not possible or insufficient, respiratory protection must be worn.

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

##### Eye/face protection

Wear eye protection/face protection.

##### Hand protection

Wear protective gloves. Replace when worn. The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances.

For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves. Observe the wear time limits as specified by the manufacturer.

Use protective skin cream before handling the product.

##### Skin protection

Overall (Natural fibres (e.g. cotton))

##### Respiratory protection

Respiratory protection necessary at: exceeding exposure limit values.

Use suitable breathing apparatus.

##### Environmental exposure controls

Do not allow to enter into surface water or drains.

## SECTION 9: Physical and chemical properties

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

Physical state:

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Colour: weiß  
 Odour: geruchsneutral

Flash point:  
 pH-Value (at 20 °C): 10-11 (1%)  
 Density (at 20 °C):  
 Bulk density (at 20 °C): 950-1500 kg/m<sup>3</sup>

**Test method**

DIN 53213

DIN 53217

**9.2. Other information****Other safety characteristics**

Solvent separation test: &lt;3 % (Land transport (ADR/RID))

**Further Information**

Based on an investigation (A.17 test for NaPC/soda mixtures), the mixture is not classified as oxidizing. Further physical-chemical data were not determined.

**SECTION 10: Stability and reactivity****10.1. Reactivity**

No reactions when handled properly.

**10.2. Chemical stability**

The product is stable under storage at normal ambient temperatures.

**10.3. Possibility of hazardous reactions**

No reactions when handled properly.

**10.4. Conditions to avoid**

To avoid thermal decomposition do not overheat. Thermal decomposition exothermic. Humidity.

**10.5. Incompatible materials**

Acids, alkalis, reducing agents, combustible substances

**10.6. Hazardous decomposition products**

carbon monoxide, carbon dioxide.

**SECTION 11: Toxicological information****11.1. Information on hazard classes as defined in GB CLP Regulation****Acute toxicity**

Harmful if swallowed.

**ATEmix calculated**

ATE (oral) 715,9 mg/kg; ATE (dermal) &gt; 2000 mg/kg; ATE (inhalation vapour) &gt; 20 mg/l; ATE (inhalation dust/mist) &gt; 5 mg/l

CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
15630-89-4	Sodium percarbonate				
	oral	ATE 500 mg/kg			
497-19-8	sodium carbonate				
	oral	LD50 4090 mg/kg	Rat	IUCLID	

**Irritation and corrosivity**

Serious eye damage/eye irritation: Causes serious eye damage.

Skin corrosion/irritation: Based on available data, the classification criteria are not met.

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**Sensitising effects**

Based on available data, the classification criteria are not met.

**Carcinogenic/mutagenic/toxic effects for reproduction**

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****Endocrine disrupting properties**

The product does not contain any substance that has endocrine properties in humans.

**Further information**

There are no data available on the mixture itself.

Classification according to Regulation (EC) No 1272/2008 [CLP]

Reference to other sections: 2, 3

**SECTION 12: Ecological information****12.1. Toxicity**

Based on available data, the classification criteria are not met.

CAS No	Chemical name					
	Aquatic toxicity	Dose	[h]   [d]	Species	Source	Method
497-19-8	sodium carbonate					
	Acute fish toxicity	LC50 300 mg/l	96 h	Lepomis macrochirus		
	Acute crustacea toxicity	EC50 265 mg/l	48 h	Daphnia magna	IUCLID	

**12.2. Persistence and degradability**

During use and in waste water, sodium percarbonate decomposes into sodium carbonate and hydrogen peroxide. The latter is rapidly reduced or decomposed into oxygen and water

**12.3. Bioaccumulative potential**

No bioaccumulation potential.

**12.4. Mobility in soil**

No relevant data available.

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

The substances in the mixture do not meet the PBT/vPvB criteria according to UK REACH.

**12.6. Endocrine disrupting properties**

This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

**Further information**

There are no data available on the mixture itself.

Classification according to Regulation (EC) No 1272/2008 [CLP]

Do not allow to enter into surface water or drains.

**SECTION 13: Disposal considerations****13.1. Waste treatment methods**

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### Disposal recommendations

Do not allow to enter into surface water or drains.  
Recycle according to official regulations.

### Contaminated packaging

Completely emptied packages can be recycled.  
Recycle according to official regulations.

## SECTION 14: Transport information

### Land transport (ADR/RID)

<b>14.1. UN number or ID number:</b>	No dangerous good in sense of this transport regulation.
<b>14.2. UN proper shipping name:</b>	No dangerous good in sense of this transport regulation.
<b>14.3. Transport hazard class(es):</b>	No dangerous good in sense of this transport regulation.
<b>14.4. Packing group:</b>	No dangerous good in sense of this transport regulation.

### Inland waterways transport (ADN)

<b>14.1. UN number or ID number:</b>	No dangerous good in sense of this transport regulation.
<b>14.2. UN proper shipping name:</b>	No dangerous good in sense of this transport regulation.
<b>14.3. Transport hazard class(es):</b>	No dangerous good in sense of this transport regulation.
<b>14.4. Packing group:</b>	No dangerous good in sense of this transport regulation.

### Marine transport (IMDG)

<b>14.1. UN number or ID number:</b>	No dangerous good in sense of this transport regulation.
<b>14.2. UN proper shipping name:</b>	No dangerous good in sense of this transport regulation.
<b>14.3. Transport hazard class(es):</b>	No dangerous good in sense of this transport regulation.
<b>14.4. Packing group:</b>	No dangerous good in sense of this transport regulation.

### Air transport (ICAO-TI/IATA-DGR)

<b>14.1. UN number or ID number:</b>	No dangerous good in sense of this transport regulation.
<b>14.2. UN proper shipping name:</b>	No dangerous good in sense of this transport regulation.
<b>14.3. Transport hazard class(es):</b>	No dangerous good in sense of this transport regulation.
<b>14.4. Packing group:</b>	No dangerous good in sense of this transport regulation.

### 14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: No

### 14.6. Special precautions for user

No dangerous good in sense of this transport regulation.

### 14.7. Maritime transport in bulk according to IMO instruments

not applicable

## SECTION 15: Regulatory information

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

#### EU regulatory information

Restrictions on use (REACH, annex XVII):  
Entry 3, Entry 75

#### National regulatory information

Water hazard class (D): 1 - slightly hazardous to water

#### Additional information

Observe in addition any national regulations!

## SECTION 16: Other information

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**Abbreviations and acronyms**

Ox. Liq: Oxidising liquids  
 Acute Tox: Acute toxicity  
 Eye Dam: Eye damage  
 Eye Irrit: Eye irritation

**Key literature references and sources for data**

Regulations: Preparations Directive (1999/45/EG), last amended by Regulation (EG) No. 1907/2006  
 Substances Directive (67/548/EEC), last amended by Directive 2009/2/EC REACH Regulation (EC) No.  
 1907/2006, last amended by Regulation (EU) No. 253/2011 CLP regulation 1272/2008 Internet  
<http://www.baua.de> <http://www.arbeitssicherheit.de> <http://gestis.itrust.de>

**Classification for mixtures and used evaluation method according to GB CLP Regulation**

Classification	Classification procedure
Acute Tox. 4; H302	Calculation method
Eye Dam. 1; H318	Calculation method

**Relevant H and EUH statements (number and full text)**

H272 May intensify fire; oxidiser.  
 H302 Harmful if swallowed.  
 H318 Causes serious eye damage.  
 H319 Causes serious eye irritation.

**Further Information**

The information is based on the present level of our knowledge. It does not, however, give assurance of product properties and establishes no contract legal rights. The receiver of our product is singularly responsible for adhering to existing laws and regulations.  
 Instruction/training of employees required for handling hazardous substances.

*(The data for the relevant ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)*