



## Chemipro Oxi

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

· **1.1 Product identifier**

· **Trade name: SODIUM PERCARBONATE (OXYPER)**

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

No further relevant information available.

· **Application of the substance/the preparation**

Bleach

Anti-corrosive agent

Washing and cleaning agent

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· **1.3 Details of the supplier of the safety data sheet**

· **Manufacturer/supplier:**

Brouwland

Korspelsesteenweg 86

3581 Beverlo

Belgium

· **1.4 Emergency telephone:**

Info Centre for Dangerous Goods (BIG): +32 14 58 45 45

BELGIUM/LUXEMBOURG +32 70 245 245



NETHERLANDS +31 30 274 88 88

· **Additional info** See section 16 for your Emergency Number

### 2 Hazards identification

· **2.1 Classification of the substance or mixture**

· **Classification according to Regulation (EC) No. 1272/2008**

 Ox. Sol. 2 H272 May intensify fire; oxidiser.	GHS03 Flame over circle
 Acute Tox. 4 H302 Harmful if swallowed. Acute Tox. 4 H332 Harmful if inhaled. Skin Irrit. 2 H315 Causes skin irritation. Eye Irrit. 2 H319 Causes serious eye irritation.	GHS07

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**2 Hazards identification (continued)**

· **Classification according to Directive 67/548/EEC or Directive 1999/45/EC**

 R22: Harmful if swallowed.	Xn; Harmful
 R41: Risk of serious damage to eyes.	Xi; Irritant
 R8: Contact with combustible material may cause fire.	O; Oxidising

· **Information concerning particular hazards for human and environment:**

The product must be marked based on the calculation process of the "General classification guideline for preparations of the EU" in the latest valid version.

· **Classification system:**

The Classification corresponds to the valid EC lists, but is supplemented with data from technical literature and the company.

· **2.2 Label elements**

· **Labelling according to Regulation (EC) No. 1272/2008**

The substance is classified and labelled according to the CLP regulation.

· **Hazard symbols** GHS03, GHS07

· **Signal word** Danger

· **Hazardous components which must be listed on the label:**

sodium carbonate peroxyhydrate

· **Hazards indications**

H272 May intensify fire; oxidiser.

H302 Harmful if swallowed.

H332 Harmful if inhaled.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

· **Precautionary statements**

P210 Keep away from heat/sparks/open flame/hot surfaces. - No smoking.

P264 Wash thoroughly after handling this product.

P270 Do not eat, drink or smoke when handling this product.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P301+P312 IF SWALLOWED: Call a POISON CENTRE or physician if you feel unwell.

· **Additional data:** expires

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## 2 Hazards identification (continued)

- **2.3 Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

## 3 Composition and information on ingredients

- **3.1 Chemical characterisation: Substances**
- **Identification number(s)** NA
- **3.2 Chemical characterisation: Mixtures**
- **Description:** Mixtures of consecutively supplied substances with non-hazardous additions.
- **Hazardous content substances:**

<p>CAS: 15630-89-4 EINECS: 239-707-6 Reg. No.: 01-2119457268-30</p>	<p>sodium carbonate peroxyhydrate</p>  <p>Xn R22; Xi R36/38; O R8</p>  <p>Ox. Sol. 2, H272;</p>  <p>Acute Tox. 4, H302; Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319</p>	<p>50-100%</p>
<p>CAS: 497-19-8 EINECS: 207-838-8 Reg. No.: 01-2119485498-19</p>	<p>sodium carbonate</p>  <p>Xi R36</p>  <p>Xi R36 Eye Irrit. 2, H319</p>	<p>2.5-5%</p>

· **Additional data:**

The wording of the provided indications regarding the possible hazards is specified in section 16.

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#### 4 First aid measures

##### · 4.1 Description of first aid measures

###### · **If inhaled:**

Call a doctor immediately.

Move to fresh air or supply oxygen; call expert medical help.

###### · **In case of skin contact:**

Immediately wash off with soap and water and rinse well.

When the skin remains irritated, consult a doctor.

###### · **In case of eye contact:**

Rinse immediately with plenty of running water with open eyelids for several minutes and consult a doctor.

###### · **If swallowed:**

Rinse mouth and drink plenty of water.

Do not induce vomiting and call for medical attention immediately.

##### · 4.2 Most important acute and delayed symptoms and effects

No further relevant information available.

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

No further relevant information available.

#### 5 Firefighting measures

##### · 5.1 Extinguishing media

· **Suitable extinguishing media:** Adjust fire extinguishing media to the environment.

##### · 5.2 Special hazards arising from the substance or mixture O2

##### · 5.3 Advice for firefighters

###### · **Special protective clothing:**

Wear self-contained breathing apparatus.

#### 6 Measures in case of the accidental release of the substance or mixture

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

Wear personal protective clothing.

Avoid dust formation.

If affected by vapour/dust/aerosol, use respiratory protection.

##### · 6.2 Environmental precautions:

The product must not enter drains, water courses or the soil.

If the product has entered the waste water or drains, the authorised authorities must be contacted.

##### · 6.3 Methods and materials for containment and cleaning up:

Wipe up mechanically.

Remove contaminated materials such as waste as described in item 13.

Thoroughly clean the place of the accident using the following suitable methods:

Dilute with plenty of water.

##### · 6.4 Reference to other sections

Information regarding safe use – see section 7.

Information regarding personal protection equipment – see section 8.

Information regarding storage – see section 13.

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## 7 Handling and storage

- **7.1 Precautions for safe handling of the substance or mixture** Avoid dust formation.
- **Information regarding fire and explosion hazard:** No special measures required.
- **7.2 Conditions for safe storage, including any incompatible products**
- **Storage:**
- **Requirements for storage areas and containers:**  
Suitable materials for containers and pipes: steel or stainless steel.  
No special requirements.
- **Information regarding joint storage:** Not necessary.
- **Further information about storage requirements:**  
Keep containers tightly closed.  
Store in well-closed containers in a cool and dry area.
- **7.3 Specific end uses** See section 1.2

## 8 Exposure controls/personal protection

- **Additional information regarding the setup of technical installations:** No additional information. See 7.
- **8.1 Control parameters**
- **Occupational exposure limits:**  
The product does not contain any relevant quantities of substances for which the occupational exposure limits must be checked.
- **Additional data:** Lists valid at the time of the installation were used as the foundation.
- **8.2 Exposure controls**
- **Personal protection facilities:**
- **General protection and health measures:**  
Keep away from food and drink.  
Immediately take off any contaminated clothing.  
Wash your hands before breaks and at the end of your shift.  
Avoid contact with eyes and skin.
- **Respiratory protection:**  
In case of insufficient ventilation use respiratory protection.  
Filter P2
- **Hand protection:**



Protective gloves

- **Glove material**

The choice of suitable gloves not only depends on the material, but also on the other quality characteristics and differs from manufacturer to manufacturer. As the product is composed of several substances, the durability of the glove materials cannot be determined in advance and must therefore be tested before use.

- **Penetration time for the glove material**

The precise penetration time can be obtained from the glove manufacturer. Please take this into account.

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**8 Exposure control/personal protection (continued)****· Eye protection:**

Tightly sealed safety goggles

· **Body protection:** Wear suitable protective clothing.

**9 Physical and chemical properties****· 9.1 Information on basic physical and chemical properties****· General data****· Appearance:**

**Physical state:** Solid

**Colour:** White

· **Odour:** Odourless

· **pH value at 20°C:** 10.4

**· Change of physical state**

**Melting point/range:** Not determined.

**Boiling point/range:** Not determined.

· **Flash point:** Not applicable.

· **Flammability (solid, gas):** Contact with combustible material may cause fire.

**· Ignition temperature:**

**Decomposition temperature:** Not determined.

· **Auto-ignition:** The product does not auto-ignite.

· **Explosion hazard:** Explosion hazard if mixed with inflammable substances.

· **Density:** Not determined.

· **Solubility/miscibility with water at 20°C:** 150 g/l

**· Viscosity**

**Dynamic:** Not applicable.

· **9.2 Other information** No further relevant information available.

**10 Stability and reactivity****· 10.1 Reactivity****· 10.2 Chemical stability**

· **Thermal decomposition/conditions to avoid:** No decomposition if used according to specifications.

· **Decomposition starts at:** 50°C

**· 10.3 Possibility of hazardous reactions**

Reactions with humid air.

Reactions with water.

· **10.4 Conditions to avoid** No further relevant information available.

· **10.5 Incompatible materials:** No further relevant information available.

· **10.6 Hazardous decomposition products:** Oxygen

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**11 Toxicological information****11.1 Information on toxicological effects****Acute toxicity:****Classification relevance for LD/LC50 values:****15630-89-4 sodium carbonate peroxyhydrate**

Oral LD50 1050 mg/kg (rat)

**497-19-8 sodium carbonate**

Oral LD50 2800 mg/kg (rat)

Dermal LD50 &gt;2,000 mg/kg (rabbit)

Inhaled LC50/2 h 1.2 mg/l (Mouse)

2.3 mg/l (rat)

LC50/4 h 4,090 mg/l (rat)

**Primary condition:****on the skin:** Irritates the skin and mucous membranes.**on the eye:** Irritation**Hypersensitivity:** No known hypersensitivity effect.**Additional toxicological information:**

Based on the calculation procedure of the latest valid version of the EC general classification guidelines for preparations, the product involves in the following hazards:

Harmful

Irritant

**12 Ecological information****12.1 Toxicity****Aquatic toxicity:****497-19-8 sodium carbonate**

EC 50 242 mg/l (algae) (137 mg/l = 5 days, OECD 201)

EC 50 (48 u) 200-227 mg/l (daphnia) (Ceriodaphnia sp., OECD 202)

265 mg/l (daphnia magna) (OECD 202)

LC 50 (96 u) 300 mg/l (Lepomis macrochirus) (OECD 203)

**12.2 Persistence and degradability** No further relevant information available.**Further information:** The product is biodegradable.**12.3 Bioaccumulation** Does not accumulate in organisms.**12.4 Mobility in soil** No further relevant information available.**Further ecological information:****General information:** Do not discharge into ground water, water courses or sewage systems.**12.5 Results of PBT and vPvB assessment****PBT:** Not applicable.**vPvB:** Not applicable.**12.6 Other adverse effects** No further relevant information available.**13 Disposal considerations****13.1 Waste treatment methods****Recommendation:** Must not be disposed with household waste and must not enter the sewage system.**Contaminated packaging:****Recommendation:** Waste disposal according to government provisions.**Recommended cleaning method:** Water, possibly with added cleaning agents.**Brouwland**

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**14 Transport information**

- **14.1 UN number**
- **ADR, IMDG, IATA** UN3378

- **14.2 UN proper shipping name**
- **ADR** 3378 SODIUM CARBONATE PEROXYHYDRATE
- **IMDG, IATA** SODIUM CARBONATE PEROXYHYDRATE

- **14.3 Transport hazard class(es)**
- **ADR**



- **class** 5.1 Oxidising substances
- **Label** 5.1
- **IMDG, IATA**
- **Class** 5.1 Oxidising substances.
- **Label** 5.1

- **14.4 Packaging group:**
- **ADR, IMDG, IATA** III



- **14.5 Environmental hazards:**
- **Marine pollutant:** No

- **14.6 Special precautions for users** Warning: Oxidising substances
- **Kemler code:** 50
- **EMS number:** F-A,S-Q
- **Segregation groups** Peroxides

- **14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code** Not applicable.

- **Transport/further data:**
- **ADR**
- **Limited quantities (LQ)** 5 kg
- **Transport category** 3
- **Tunnel restriction code** E
- **UN "Model Regulation":** UN3378, SODIUM CARBONATE PEROXYHYDRATE, 5.1, III

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### 15 Regulatory information

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **Ministry of Social Affairs & Employment list of carcinogenic substances**  
None of the components are on the list.
- **Ministry of Social Affairs & Employment list of mutagenic substances**  
None of the components are on the list.
- **NON-exhaustive list of reproductive toxins – Fertility**  
None of the components are on the list.
- **NON-exhaustive list of reproductive toxins – Development**  
None of the components are on the list.
- **NON-exhaustive list of reproductive toxins – Breast-feeding**  
None of the components are on the list.
- **Labelling according to Regulation (EC) No. 1272/2008 GHS label elements**
- **National regulations:**
- **Water hazard class:** WGK 1 (German) (Self-Classification): low hazard to water.
- **15.2 Chemical Safety Assessment:** No chemical safety assessment was performed.

### 16 Other information

"The information provided in these documents is based on our current knowledge of this product and is conveyed in good faith and to the best of our ability. However, these data are specifically not technical specifications and they do not guarantee the properties. We accept no liability for any explicit or implicit damage or consequences of whatever nature or scope that may result from the use of these data. The recipients and users of the product must meet the existing laws, rules and regulations at their own responsibility. They must also ensure that the product is suitable for the intended application and use."

#### · Relevant phrases

H272 May intensify fire; oxidiser.  
 H302 Harmful if swallowed.  
 H315 Causes skin irritation.  
 H319 Causes serious eye irritation.  
 H332 Harmful if inhaled.  
 R22 Harmful if swallowed.  
 R36 Irritating to eyes.  
 R36/38 Irritating to eyes and skin.  
 R8 Contact with combustible material may cause fire.

#### · Emergency Numbers

European Emergency Number: 112  
 AUSTRIA +43 1 40 400 2222  
 BELGIUM/LUXEMBOURG +32 70 245 245  
 BULGARIA +359 2 9154 409  
 CZECH REPUBLIC +42 2 2491 9293 or +42 2 2491 5402  
 DENMARK +45 82 12 12 12  
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SPAIN +34 937 192 561 (8 a.m.-1 p.m. and 3 p.m.-5 p.m./Fridays 8 a.m.-3 p.m.)  
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UNITED KINGDOM 0870 243 2241 or +44 20 7771 5310

· **Abbreviations and acronyms:**

*RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)*

*ICAO: International Civil Aviation Organisation*

*ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International*

*Carriage of Dangerous Goods by Road)*

*IMDG: International Maritime Code for Dangerous Goods*

*IATA: International Air Transport Association*

*GHS: Globally Harmonised System of Classification and Labelling of Chemicals*

*LC50: Lethal concentration, 50 per cent*

*LD50: Lethal dose, 50 per cent*

· \* **Updated data since the previous version**

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