SAFETY DATA SHEET


Sodium Percarbonate

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

1.1 Product identifier:

Product name: Sodium Percarbonate

Synonyms: sodium carbonate peroxyhydrate (2:3), oxidizing; disodium carbonate, compound with hydrogen peroxide (2:3); carbonic acid disodium salt, compd. with hydrogen peroxide (H2-O2) (2:3); FB sodium percarbonate (2:3); disodium carbonate-hydrogen peroxide (2:3); peroxydicarbonic acid, disodium salt (2:3); hydrogen peroxide (H2O2), compd. with disodium carbonate (3:2); sodium carbonate hydrogen peroxide (2:3); hydrogen peroxide sodium carbonate adduct (2:3); peroxy sodium carbonate (2:3); sodium carbonate peroxy (2:3); sodium carbonate sesquioxide (2Na2CO3.3H2O2); sodium percarbonate; sodium peroxycarbonate (2:3); caperox; disodium carbonate sesquiperoxide (2:3)

Registration number REACH: Not applicable

The transition time according to REACH Regulation, article 23 is not yet expired.

Product type REACH: Substance/mono-constituent

CAS number: 15630-89-4

EC number: 239-707-6

Molecular mass: 314.06 g/mol

Formula: 2Na2CO3.3H2O2

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

1.2.1 Relevant identified uses

Bleaching agent
Cleansing product
Oxidant
Washing products: bleaching agent

1.2.2 Uses advised against

No uses advised against known

1.3 Details of the supplier of the safety data sheet:

Supplier of the safety data sheet

Emulso Corporation
2750 Kenmore Avenue
Tonawanda, New York 14150

1.4 Emergency telephone number:

24h/7d:

1-800-535-5053 (INFOTRAC)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture:

2.1.1 Classification according to Regulation EC No 1272/2008

Classified as dangerous according to the criteria of Regulation (EC) No 1272/2008

<table>
<thead>
<tr>
<th>Class</th>
<th>Category</th>
<th>Hazard statements</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ox. Sol.</td>
<td>category 2</td>
<td>H272: May intensify fire; oxidiser.</td>
</tr>
<tr>
<td>Acute Tox.</td>
<td>category 4</td>
<td>H302: Harmful if swallowed.</td>
</tr>
<tr>
<td>Eye Dam.</td>
<td>category 1</td>
<td>H318: Causes serious eye damage.</td>
</tr>
</tbody>
</table>

2.1.2 Classification according to Directive 67/548/EEC-1999/45/EC

Created by: Regulatory Group

Date of revision: 2015/05/14

Revision number: 0100

Product number: 25189
Sodium Percarbonate

Classified as dangerous in accordance with the criteria of Directives 67/548/EEC and 1999/45/EC
O; R8 - Contact with combustible material may cause fire.
Xn; R22 - Harmful if swallowed.
Xi; R41 - Risk of serious damage to eyes.

2.2 Label elements:

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

Signal word
Danger

H-statements
H272 May intensify fire; oxidiser.
H302 Harmful if swallowed.
H318 Causes serious eye damage.

P-statements
P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
P280 Wear protective gloves and eye protection/face protection.
P310 Immediately call a POISON CENTER or doctor/physician.
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P330 Rinse mouth.
P330 + P312 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.

2.3 Other hazards:

CLP
Heat may cause pressure rise in tanks/drums: explosion risk
Harmful to fishes
Toxic to invertebrates (Daphnia)

SECTION 3: Composition/information on ingredients

3.1 Substances:

<table>
<thead>
<tr>
<th>Name (REACH Registration No)</th>
<th>CAS No</th>
<th>Conc. (%)</th>
<th>Classification according to DSD/DPD</th>
<th>Classification according to CLP</th>
<th>Note</th>
<th>Remark</th>
</tr>
</thead>
<tbody>
<tr>
<td>Disodium carbonate, compound with hydrogen peroxide (2:3) -(-)</td>
<td>15630-89-4; 239-707-6</td>
<td>≥95%</td>
<td>O; R8 OX. Sol. 2; H272 Acute Tox. 4; H302 Eye Dam. 1; H318</td>
<td>(1) Mono-constituent</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

(1) For R-phrases and H-statements in full: see heading 16

3.2 Mixtures:

Not applicable

SECTION 4: First aid measures

4.1 Description of first aid measures:

General:

After inhalation:
Remove the victim into fresh air. Respiratory problems: consult a doctor/medical service.

After skin contact:
Rinse with water. Take victim to a doctor if irritation persists.

After eye contact:
Rinse immediately with plenty of water for 15 minutes. Do not apply neutralizing agents. Take victim to an ophthalmologist.

After ingestion:
Rinse mouth with water. Immediately after ingestion: give lots of water to drink. Do not induce vomiting. Consult a doctor/medical service if you feel unwell.

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

4.2.1 Acute symptoms
After inhalation:
AFTER INHALATION OF DUST: Dry/sore throat. Coughing. Irritation of the respiratory tract. Irritation of the nasal mucous membranes.

After skin contact:
Not irritating.

After eye contact:
Inflammation/damage of the eye tissue. Corrosion of the eye tissue.

After ingestion:
Nausea. Vomiting.

4.2.2 Delayed symptoms
No effects known.

4.3 Indication of any immediate medical attention and special treatment needed:
If applicable and available it will be listed below.

SECTION 5: Firefighting measures

5.1 Extinguishing media:
5.1.1 Suitable extinguishing media:
Quantities of water.
5.1.2 Unsuitable extinguishing media:
No unsuitable extinguishing media known.

5.2 Special hazards arising from the substance or mixture:
Upon combustion: CO and CO2 are formed.

5.3 Advice for firefighters:
5.3.1 Instructions:
Cool tanks/drums with water spray/remove them into safety. Do not move the load if exposed to heat. After cooling: persistent risk of physical explosion.
5.3.2 Special protective equipment for fire-fighters:

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures:
Prevent dust cloud formation. No naked flames.
6.1.1 Protective equipment for non-emergency personnel
See heading 8.2
6.1.2 Protective equipment for emergency responders

Suitable protective clothing
See heading 8.2

6.2 Environmental precautions:
Contain released substance, pump into suitable containers. Plug the leak, cut off the supply. Dam up the solid spill. Knock down/dilute dust cloud with water spray. Prevent spreading in sewers.

6.3 Methods and material for containment and cleaning up:
Prevent dust cloud formation. Scoop solid spill into closing containers. Carefully collect the spill/leftovers. Spill must not return in its original container. Clean contaminated surfaces with an excess of water. Wash clothing and equipment after handling.

6.4 Reference to other sections:
See heading 13.

SECTION 7: Handling and storage

The information in this section is a general description. If applicable and available, exposure scenarios are attached in annex. Always use the relevant exposure scenarios that correspond to your identified use.

7.1 Precautions for safe handling:
Avoid raising dust. Keep away from naked flames/heat. Observe normal hygiene standards. Keep container tightly closed. Remove contaminated clothing immediately. Do not discharge the waste into the drain.

7.2 Conditions for safe storage, including any incompatibilities:
7.2.1 Safe storage requirements:
Store in a cool area. Keep out of direct sunlight. Store in a dry area. Keep only in the original container. Meet the legal requirements.
7.2.2 Keep away from:
Heat sources, combustible materials, oxidizing agents, (strong) acids, (strong) bases, metals, organic materials, water/moisture.
7.2.3 Suitable packaging material:
- Stainless steel, aluminium, polyethylene, polypropylene.

7.2.4 Non suitable packaging material:
- Steel.

7.3 Specific end use(s):
If applicable and available, exposure scenarios are attached in annex. See information supplied by the manufacturer.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters:

8.1.1 Occupational exposure

a) Occupational exposure limit values
If limit values are applicable and available these will be listed below.
b) National biological limit values
If limit values are applicable and available these will be listed below.

8.1.2 Sampling methods

<table>
<thead>
<tr>
<th>Product name</th>
<th>Test</th>
<th>Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>No data available</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

8.1.3 Applicable limit values when using the substance or mixture as intended
If limit values are applicable and available these will be listed below.

8.1.4 DNEL/PNEC values

<table>
<thead>
<tr>
<th>Provox, Provox C</th>
<th>Effect level (DNEL/DMEL)</th>
<th>Type</th>
<th>Value</th>
<th>Remark</th>
</tr>
</thead>
<tbody>
<tr>
<td>DNEL</td>
<td>Long-term local effects inhalation</td>
<td>5 mg/m³</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Long-term local effects dermal</td>
<td>12.8 mg/cm²</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Acute local effects dermal</td>
<td>12.8 mg/cm²</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Provox, Provox C</th>
<th>Effect level (DNEL/DMEL)</th>
<th>Type</th>
<th>Value</th>
<th>Remark</th>
</tr>
</thead>
<tbody>
<tr>
<td>DNEL</td>
<td>Long-term local effects dermal</td>
<td>6.4 mg/cm²</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Acute local effects dermal</td>
<td>6.4 mg/cm²</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Provox, Provox C</th>
<th>Compartments</th>
<th>Value</th>
<th>Remark</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fresh water</td>
<td>0.035 mg/l</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Marine water</td>
<td>0.035 mg/l</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Aqua (intermittent releases)</td>
<td>0.035 mg/l</td>
<td></td>
<td></td>
</tr>
<tr>
<td>STP</td>
<td>16.24 mg/l</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

8.1.5 Control banding
If applicable and available it will be listed below.

8.2 Exposure controls:
The information in this section is a general description. If applicable and available, exposure scenarios are attached in annex. Always use the relevant exposure scenarios that correspond to your identified use.

8.2.1 Appropriate engineering controls
Avoid raising dust. Keep away from naked flames/heat. Carry operations in the open/under local exhaust/ventilation or with respiratory protection.

8.2.2 Individual protection measures, such as personal protective equipment
Observe normal hygiene standards. Keep container tightly closed. Do not eat, drink or smoke during work.

a) Respiratory protection:
Dust production: dust mask with filter type P2.

b) Hand protection:
Gloves.
- materials for protective clothing (good resistance)
- PVC, rubber.

c) Eye protection:
Face shield. In case of dust production: protective goggles.

d) Skin protection:

8.2.3 Environmental exposure controls:
See headings 6.2, 6.3 and 13
SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties:

<table>
<thead>
<tr>
<th>Property</th>
<th>Property Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical form</td>
<td>Crystalline solid</td>
</tr>
<tr>
<td>Odour</td>
<td>Odourless</td>
</tr>
<tr>
<td>Odour threshold</td>
<td>No data available</td>
</tr>
<tr>
<td>Colour</td>
<td>White</td>
</tr>
<tr>
<td>Particle size</td>
<td>250-1000 µm</td>
</tr>
<tr>
<td>Explosion limits</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Flammability</td>
<td>Non combustible</td>
</tr>
<tr>
<td>Log Kow</td>
<td>No data available</td>
</tr>
<tr>
<td>Dynamic viscosity</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Kinematic viscosity</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Melting point</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Boiling point</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Flash point</td>
<td>Not applicable (inorganic)</td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Vapour pressure</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Relative vapour density</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Solubility</td>
<td>Water; 140 g/l; 20 °C</td>
</tr>
<tr>
<td>Relative density</td>
<td>2.16; 20.4 °C</td>
</tr>
<tr>
<td>Decomposition temperature</td>
<td>&gt; 75 °C</td>
</tr>
<tr>
<td>Auto-ignition temperature</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Explosive properties</td>
<td>Not classified</td>
</tr>
<tr>
<td>Oxidising properties</td>
<td>May intensify fire; oxidiser.</td>
</tr>
<tr>
<td>pH</td>
<td>10.4-10.6; 140 g/l; 20 °C</td>
</tr>
</tbody>
</table>

Physical hazards:
- Oxidising solid

9.2 Other information:

<table>
<thead>
<tr>
<th>Property</th>
<th>Property Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Absolute density</td>
<td>2140 kg/m³</td>
</tr>
</tbody>
</table>

SECTION 10: Stability and reactivity

10.1 Reactivity:
Promotes combustion. Substance has basic reaction.

10.2 Chemical stability:
Unstable on exposure to heat. Unstable on exposure to moisture.

10.3 Possibility of hazardous reactions:
Decomposes slowly: oxidation resulting in increased fire or explosion risk. This reaction is accelerated on exposure to water (moisture) and temperature rise.

10.4 Conditions to avoid:
- Avoid raising dust. Keep away from naked flames/heat.

10.5 Incompatible materials:
- Combustible materials, oxidizing agents, (strong) acids, (strong) bases, metals, organic materials, water/moisture, steel.

10.6 Hazardous decomposition products:
Reacts with many compounds: oxidation resulting in increased fire or explosion risk. Upon combustion: CO and CO2 are formed.

SECTION 11: Toxicological information

11.1 Information on toxicological effects:

11.1.1 Test results

Acute toxicity
- Provox, Provox C
## Sodium Percarbonate

### Corrosion/irritation

**Provox, Provox C**

<table>
<thead>
<tr>
<th>Route of exposure</th>
<th>Result</th>
<th>Method</th>
<th>Exposure time</th>
<th>Time point</th>
<th>Species</th>
<th>Value determination</th>
</tr>
</thead>
<tbody>
<tr>
<td>Eye</td>
<td>Highly irritating</td>
<td>EPA OPP 81-4</td>
<td>1; 24; 48; 72 hours</td>
<td>Rabbit</td>
<td>Experimental value</td>
<td></td>
</tr>
<tr>
<td>Skin</td>
<td>Not irritating</td>
<td>Other</td>
<td>4 h</td>
<td>1; 2; 3; 4; 7; 10; 14 days</td>
<td>Rabbit</td>
<td>Experimental value</td>
</tr>
<tr>
<td>Inhalation</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>No data available</td>
</tr>
</tbody>
</table>

**Conclusion**
- Not classified as irritating to the skin
- Causes serious eye damage.

### Respiratory or skin sensitisation

**Provox, Provox C**

<table>
<thead>
<tr>
<th>Route of exposure</th>
<th>Result</th>
<th>Method</th>
<th>Exposure time</th>
<th>Observation time point</th>
<th>Species</th>
<th>Gender</th>
<th>Value determination</th>
</tr>
</thead>
<tbody>
<tr>
<td>Skin</td>
<td>Not sensitizing</td>
<td>Buehler test</td>
<td>48 hours</td>
<td>Guinea pig</td>
<td>Male/female</td>
<td></td>
<td>Experimental value</td>
</tr>
<tr>
<td>Inhalation</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>No data available</td>
</tr>
</tbody>
</table>

**Conclusion**
- Not classified as sensitizing for skin
- Not classified as sensitizing for inhalation

### Specific target organ toxicity

**Provox, Provox C**

<table>
<thead>
<tr>
<th>Route of exposure</th>
<th>Parameter</th>
<th>Method</th>
<th>Value</th>
<th>Organ</th>
<th>Effect</th>
<th>Exposure time</th>
<th>Species</th>
<th>Gender</th>
<th>Value determination</th>
</tr>
</thead>
<tbody>
<tr>
<td>Oral</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Not relevant, expert judgement</td>
</tr>
<tr>
<td>Dermal</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Not relevant, expert judgement</td>
</tr>
<tr>
<td>Inhalation</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Not relevant, expert judgement</td>
</tr>
</tbody>
</table>

**Conclusion**
- Supplementary classification for repeated dose toxicity was not considered necessary

### Mutagenicity (in vitro)

**Provox, Provox C**

<table>
<thead>
<tr>
<th>Result</th>
<th>Method</th>
<th>Test substrate</th>
<th>Effect</th>
<th>Value determination</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Not relevant, expert judgement</td>
</tr>
</tbody>
</table>

### Mutagenicity (in vivo)

**Provox, Provox C**

<table>
<thead>
<tr>
<th>Result</th>
<th>Method</th>
<th>Exposure time</th>
<th>Test substrate</th>
<th>Gender</th>
<th>Organ</th>
<th>Value determination</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>No data available</td>
</tr>
</tbody>
</table>

### Carcinogenicity
Sodium Percarbonate

<table>
<thead>
<tr>
<th>Route of exposure</th>
<th>Parameter</th>
<th>Method</th>
<th>Value</th>
<th>Exposure time</th>
<th>Species</th>
<th>Gender</th>
<th>Value determination</th>
<th>Organ</th>
<th>Effect</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Inhalation</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>No data available</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Dermal</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>No data available</td>
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<tr>
<td></td>
<td>Oral</td>
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<td></td>
<td></td>
<td></td>
<td></td>
<td>No data available</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Reproductive toxicity

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Method</th>
<th>Value</th>
<th>Exposure time</th>
<th>Species</th>
<th>Gender</th>
<th>Effect</th>
<th>Organ</th>
<th>Value determination</th>
</tr>
</thead>
<tbody>
<tr>
<td>Developmental toxicity</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Not relevant, expert judgement</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Conclusion CMR

- Not classified for reprotoxic or developmental toxicity
- Not classified for mutagenic or genotoxic toxicity
- Not classified for carcinogenicity

Toxicity other effects

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Method</th>
<th>Value</th>
<th>Exposure time</th>
<th>Species</th>
<th>Gender</th>
<th>Effect</th>
<th>Organ</th>
<th>Value determination</th>
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</thead>
<tbody>
<tr>
<td></td>
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<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Chronic effects from short and long-term exposure

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Method</th>
<th>Value</th>
<th>Exposure time</th>
<th>Species</th>
<th>Gender</th>
<th>Effect</th>
<th>Organ</th>
<th>Value determination</th>
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<td></td>
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<td></td>
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<td></td>
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<td></td>
<td></td>
</tr>
</tbody>
</table>

No (test)data available

SECTION 12: Ecological information

12.1 Toxicity:

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Method</th>
<th>Value</th>
<th>Duration</th>
<th>Species</th>
<th>Test design</th>
<th>Fresh/salt water</th>
<th>Value determination</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute toxicity fishes</td>
<td>LC50</td>
<td>JS EPA</td>
<td>70.7 mg/l</td>
<td>Pimephales promelas</td>
<td>Semi-static</td>
<td>Fresh water</td>
<td>Experimental value</td>
</tr>
<tr>
<td>Acute toxicity invertebrates</td>
<td>EC50</td>
<td>JS EPA</td>
<td>4.9 mg/l</td>
<td>Daphnia pulex</td>
<td>Semi-static</td>
<td>Fresh water</td>
<td>Experimental value</td>
</tr>
</tbody>
</table>

Conclusion

Harmful to fishes
Toxic to invertebrates (Daphnia)
pH shift
Insufficient data available on ecotoxicity

12.2 Persistence and degradability:

Biodegradability: not applicable
Hydrolysis in water

12.3 Bioaccumulative potential:

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Method</th>
<th>Value</th>
<th>Temperature</th>
<th>Value determination</th>
</tr>
</thead>
<tbody>
<tr>
<td>Log Kow</td>
<td></td>
<td></td>
<td></td>
<td>No data available</td>
</tr>
</tbody>
</table>

Conclusion

Not bioaccumulative

12.4 Mobility in soil:

Low potential for adsorption in soil

12.5 Results of PBT and vPvB assessment:

The criteria of PBT and vPvB as listed in Annex XIII of Regulation (EC) No 1907/2006 do not apply to inorganic substances.

12.6 Other adverse effects:
### Sodium Percarbonate

**Provox, Provox C**

- Global warming potential (GWP)
  - Not included in the list of substances which may contribute to the greenhouse effect (Regulation (EC) No 842/2006)
- Ozone-depleting potential (ODP)
  - Not classified as dangerous for the ozone layer (Regulation (EC) No. 1272/2008 and 1005/2009)

### SECTION 13: Disposal considerations

The information in this section is a general description. If applicable and available, exposure scenarios are attached in annex. Always use the relevant exposure scenarios that correspond to your identified use.

#### 13.1 Waste treatment methods:

13.1.1 Provisions relating to waste

- 16 09 03* (peroxides, for example hydrogen peroxide). Depending on branch of industry and production process, also other EURAL codes may be applicable. Hazardous waste according to Directive 2008/98/EC.

13.1.2 Disposal methods

- Remove waste in accordance with local and/or national regulations. Remove to an authorized plant for the destruction, neutralization and elimination of hazardous waste. Hazardous waste shall not be mixed together with other waste. Different types of hazardous waste shall not be mixed together if this may entail a risk of pollution or create problems for the further management of the waste. Hazardous waste shall be managed responsibly. All entities that store, transport or handle hazardous waste shall take the necessary measures to prevent risks of pollution or damage to people or animals.

13.1.3 Packaging/Container

- 15 01 10* (packaging containing residues of or contaminated by dangerous substances).

### SECTION 14: Transport information

#### Road (ADR)

- **14.1 UN number:** 3378
- **14.2 UN proper shipping name:** Sodium carbonate peroxyhydrate
- **14.3 Transport hazard class(es):**
  - Hazard identification number: 50
  - Class: 5.1
  - Classification code: O2
- **14.4 Packing group:** I
- **14.5 Environmental hazards:**
  - Environmentally hazardous substance mark: no
- **14.6 Special precautions for user:**
  - Special provisions
  - Limited quantities: Combination packagings: not more than 1 kg per inner packaging for solids. A package shall not weigh more than 30 kg. (gross mass)

#### Rail (RID)

- **14.1 UN number:** 3378
- **14.2 UN proper shipping name:** Sodium carbonate peroxyhydrate
- **14.3 Transport hazard class(es):**
  - Hazard identification number: 50
  - Class: 5.1
  - Classification code: O2
- **14.4 Packing group:** I
- **14.5 Environmental hazards:**
  - Environmentally hazardous substance mark: no
- **14.6 Special precautions for user:**
  - Special provisions
  - Limited quantities: Combination packagings: not more than 1 kg per inner packaging for solids. A package shall not weigh more than 30 kg. (gross mass)
Sodium Percarbonate

Inland waterways (ADN)
14.1 UN number:
UN number 3378

14.2 UN proper shipping name:
Proper shipping name Sodium carbonate peroxyhydrate

14.3 Transport hazard class(es):
Class 5.1
Classification code O2

14.4 Packing group:
Packing group I
Labels 5.1

14.5 Environmental hazards:
Environmentally hazardous substance mark no

14.6 Special precautions for user:
Special provisions
Limited quantities Combination packagings: not more than 1 kg per inner packaging for solids. A package shall not weigh more than 30 kg. (gross mass)

Sea (IMDG/IMSBC)
14.1 UN number:
UN number 3378

14.2 UN proper shipping name:
Proper shipping name Sodium carbonate peroxyhydrate

14.3 Transport hazard class(es):
Class 5.1

14.4 Packing group:
Packing group I
Labels 5.1

14.5 Environmental hazards:
Marine pollutant
Environmentally hazardous substance mark no

14.6 Special precautions for user:
Special provisions 967
Limited quantities Combination packagings: not more than 1 kg per inner packaging for solids. A package shall not weigh more than 30 kg. (gross mass)

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code:
Annex II of MARPOL 73/78 Not applicable, based on available data

Air (ICAO-TI/IATA-DGR)
14.1 UN number:
UN number 3378

14.2 UN proper shipping name:
Proper shipping name Sodium carbonate peroxyhydrate

14.3 Transport hazard class(es):
Class 5.1

14.4 Packing group:
Packing group I
Labels 5.1

14.5 Environmental hazards:
Environmentally hazardous substance mark no

14.6 Special precautions for user:
Special provisions
Passenger and cargo transport: limited quantities: maximum net quantity per packaging 2.5 kg

SECTION 15: Regulatory information
15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:
European legislation:
European drinking water standards
Maximum concentration in drinking water: 200 mg/l (sodium) (Directive 98/83/EC)
Sodium Carbonate

REACH registration
The transition time according to REACH Regulation, article 23 is not yet expired.
Volatile organic compounds (VOC)
Not applicable

National legislation The Netherlands
Waste identification (the Netherlands) LWCA (the Netherlands): KGA category 06
Waterbezwaarlijkheid 7

National legislation Germany
TA-Luft TA-Luft Klasse 5.2.1
WGK 1; Classification water polluting in compliance with Verwaltungsverordnung wassergefährdender Stoffe (VwVwS) of 27 July 2005 (Anhang 2)

National legislation France
No data available

National legislation Belgium
No data available

National legislation Denmark
No data available

National legislation Finland
No data available

National legislation Norway
No data available

National legislation Switzerland
No data available

Other relevant data
No data available

15.2 Chemical safety assessment:
No chemical safety assessment has been conducted.

SECTION 16: Other information

Information based on classification according to CLP

Not listed in Annex I of directive 67/548/EEC et sequens. Labelling established on the basis of the available data.

Labels

Oxidising
Harmful

R-phrases
08 Contact with combustible material may cause fire
22 Harmful if swallowed
41 Risk of serious damage to eyes

S-phrases
(02) (Keep out of the reach of children)
08 Keep container dry
17 Keep away from combustible materials
26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice
30 Wear eye/face protection
(46) (If swallowed, seek medical advice immediately and show this container or label)

Full text of any R-phrases referred to under headings 2 and 3:
RO8 Contact with combustible material may cause fire
R22 Harmful if swallowed
R41 Risk of serious damage to eyes

Full text of any H-statements referred to under headings 2 and 3:
H272 May intensify fire; oxidiser.
H302 Harmful if swallowed.
H318 Causes serious eye damage.
(*) = INTERNAL CLASSIFICATION BY BIG
PBT-substances = persistent, bioaccumulative and toxic substances
DSD Dangerous Substance Directive
Disclaimer:
The information provided in this Material Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet