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

1.1. Product identifier
SENSOX

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

Use of the substance/mixture
- Disinfectants, Biocides (e.g. disinfectants and parasiticide)
- Professional use of laundry products

Uses advised against
No information available.

1.3. Details of the supplier of the safety data sheet

Company name: DR.SCHNELL GmbH & Co. KGaA
Street: Taunusstraße 19
Place: D-80807 München
Telephone: +49/89/350608-0
Fax: +49/89/350608-47
E-mail: info@dr-schnell.de
Contact person: Josef Feuerstein
Telephone: +49/89/350608-46
E-mail: sdb@dr-schnell.de
Internet: www.dr-schnell.de
Responsible Department: Labor

1.4. Emergency telephone number
Emergency CONTACT (24-Hour-Number) international: GBK GmbH +49 (0) 61 32 - 8 44 63

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Regulation (EC) No. 1272/2008
Hazard categories:
- Serious eye damage/eye irritation: Eye Dam. 1
Hazard Statements:
- Harmful if swallowed.
- Causes serious eye damage.

2.2. Label elements

Regulation (EC) No. 1272/2008
Hazard components for labelling
Sodium Carbonate Peroxide
Signal word: Danger

Pictograms:

Hazard statements
H302 Harmful if swallowed.
H318 Causes serious eye damage.

Precautionary statements
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/doctor.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Safety Data Sheet

according to Regulation (EC) No 1907/2006

P501 Dispose of contents/container to according to local / regional / national / international regulations of recycling.

2.3. Other hazards

The components in this formulation do not meet the criteria for classification as PBT or vPvB.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Hazardous components

<table>
<thead>
<tr>
<th>CAS No</th>
<th>Chemical name</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>15630-89-4</td>
<td>Sodium Carbonate Peroxide</td>
<td>30-100 %</td>
</tr>
</tbody>
</table>

- Ox. Sol. 2, Acute Tox. 4, Eye Dam. 1; H272 H302 H318

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

Further Information

- Regulation (EC) No. 648/2004 (Detergents regulation)
- > 30 % oxygen-based bleaching agents
- < 5 % anionic surfactants, phosphonates, zeolites, Soap.
- Disinfectants, optical brighteners

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

Delayed effect due to exposure must be expected.

After inhalation

Move victim out of danger zone.
Provide fresh air.
In all cases of doubt, or when symptoms persist, seek medical advice.
If unconscious place in recovery position and seek medical advice.
In case of irregular breathing or respiratory arrest provide artificial respiration.

After contact with skin

After contact with skin, wash immediately with plenty of water and soap.
Remove contaminated clothing immediately and dispose off safely.
In case of skin irritation, seek medical treatment.

After contact with eyes

Rinse immediately carefully and thoroughly with eye-bath or water.
Remove contact lenses, if present and easy to do. Continue rinsing.
To be accompanied by MSDS.
Consult an ophthalmologist.

After ingestion

Rinse mouth immediately and drink plenty of water.
Do NOT induce vomiting.
Call a physician immediately.

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

If applicable, delayed symptoms and effects can be found in section 11., i.e. under section 4.1 for absorption methods.

4.3. Indication of any immediate medical attention and special treatment needed
No special measures are necessary.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media
Co-ordinate fire-fighting measures to the fire surroundings.

Unsuitable extinguishing media
No information available.

5.2. Special hazards arising from the substance or mixture

Hazardous combustion products
Oxides of carbon
Poisonous gases
Material, rich in oxygen, oxidizing.

5.3. Advice for firefighters

In case of fire and/or explosion do not breathe fumes.
In case of fire: Wear self-contained breathing apparatus. If necessary Full protective suit.
Cool compromised containers with water.
Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.
Dispose of waste according to applicable legislation.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Avoid dust formation.
Provide adequate ventilation.
Avoid contact with eyes and skin.
After contact with water: Caution, slippery

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

Spilled product must never be returned to the original container for recycling.
Take up mechanically, placing in appropriate containers for disposal.
Keep away from combustible material.
Flush residue with plenty of water.

6.4. Reference to other sections

For personal protective equipment see Section 8 and for disposal instructions see Section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling
In addition to the information contained in this section, relevant information can also be found in sections 8 and 6.1.

Further information on handling
Provide adequate ventilation.
Avoid generation of dust.
Avoid contact with eyes and skin.
Carefully avoid polluting product with other materials.
When using do not eat, drink, smoke, sniff.
Observe instructions for use.
Notice the directions for use on the label.
Working methods should be applied according to operating instructions.
General hygiene measures for the handling of chemicals are applicable.
Wash hands before breaks and after work.
Keep away from food, drink and animal feedingstuffs.
Contaminated work clothing should not be allowed out of the workplace.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels
- Store in a place accessible by authorized persons only.
- Not to be stored in gangways or stair wells.
- Store product closed and only in original packing.
- Keep away from combustible material.
- Keep away from food, drink and animal feedingstuffs.
- Protect from moisture.
- Keep in a cool place.
- Protect against direct sunlight.
- Keep only in the original container at temperature not exceeding 30 °C.

7.3. Specific end use(s)
No information available.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.2. Exposure controls

Appropriate engineering controls
- Provide adequate ventilation.
  - This can be achieved by local exhaust ventilation or general ventilation.
  - When exceeding the occupational exposure limit (OEL): Use appropriate respiratory protection.
  - Applies only if maximum permissible exposure values are listed here.

Protective and hygiene measures
- General hygiene measures for the handling of chemicals are applicable.
- Wash hands before breaks and after work.
- Keep away from food, drink and animal feedingstuffs.
- Contaminated work clothing should not be allowed out of the workplace.

Eye/face protection
- Tightly sealed safety glasses. (EN 166)

Hand protection
- Chemical-resistant protective gloves (EN 374)
  - Hand lotion are recommended.
  - No tests have been carried out. 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.

Skin protection
- Protective working garments (e.g. safety shoes EN ISO 20345, long-sleeved protective working garments)

Respiratory protection
- If general dust emission limit has been exceeded:
  - Dust mask with fine dust filter recommended (EN 143), white
  - If necessary P 2 filter (EN 143), white
  - Observe the wear time limits according GefStoffV in combination with the rules for using respiratory protection apparatus (BGR 190).

Environmental exposure controls
- No information available.
SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state: solid, Granulate
Colour: white
Odour: Soap.

<table>
<thead>
<tr>
<th>Test method</th>
</tr>
</thead>
<tbody>
<tr>
<td>pH-Value:</td>
</tr>
<tr>
<td>8 (10g/l)</td>
</tr>
</tbody>
</table>

Changes in the physical state

Melting point: not determined
Initial boiling point and boiling range: not determined
Flash point: not applicable

Flammability

Solid: not determined
Gas: not determined

Lower explosion limits: not determined
Upper explosion limits: not determined

Auto-ignition temperature

not applicable

Oxidizing properties

Material, rich in oxygen, oxidizing.

Vapour pressure: not determined
Vapour pressure: not determined
Density: 790-890 g/cm³
Water solubility: easily soluble.
Partition coefficient: not determined
Viscosity / dynamic: not determined
Viscosity / kinematic: not determined
Solvent content: not applicable

9.2. Other information

Mixability: not determined
Fat solubility (g/l): not determined
Conductivity: not determined
Surface tension: not determined

SECTION 10: Stability and reactivity

10.1. Reactivity

See also Subsection 10.4 to 10.6.
The product has not been tested.

10.2. Chemical stability

See also Subsection 10.4 to 10.6.
Stable with proper storage and handling.

10.3. Possibility of hazardous reactions

See also Subsection 10.4 to 10.6.
No decomposition when used as directed.
10.4. Conditions to avoid
See also section 7.
Protect from moisture.
Heat, open flames, ignition sources
Heating causes rise in pressure with risk of bursting.
Decomposition: Severe gas production possible

10.5. Incompatible materials
See also section 7.
Base.
acid.
Reducing agents.
material, combustible.
metal.
Metal salt
Contact with strong alkalis leads to strong exothermic reaction.
Contact with strong acids leads to strong reaction and heat production

10.6. Hazardous decomposition products
See also Subsection 10.4 to 10.6.
Also refer to section 5.3.
No decomposition when used as directed.
Material, rich in oxygen, oxidizing.
Explosive when mixed with combustible material. (R9)

SECTION 11: Toxicological information

11.1. Information on toxicological effects
Toxicokinetics, metabolism and distribution
The product has not been tested.
May cause respiratory irritation.
Irritation of nose and throat mucosa
In the case of the formation of dust.
Harmful.
irritant.

Acute toxicity
Harmful if swallowed.

<table>
<thead>
<tr>
<th>CAS No</th>
<th>Chemical name</th>
<th>Exposure route</th>
<th>Dose</th>
<th>Species</th>
<th>Source</th>
<th>Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>15630-89-4</td>
<td>Sodium Carbonate Peroxide</td>
<td>oral</td>
<td>LD50</td>
<td>1034</td>
<td>Rat</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>mg/kg</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>dermal</td>
<td>LD50</td>
<td>&gt;2000</td>
<td>Rabbit</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>mg/kg</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Irritation and corrosivity
Causes serious eye damage.
Skin corrosion/irritation: Based on available data, the classification criteria are not met.

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

Carcinogenic/mutagenic/toxic effects for reproduction
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.

SECTION 12: Ecological information

12.1. Toxicity
The product has not been tested.

<table>
<thead>
<tr>
<th>CAS No</th>
<th>Chemical name</th>
<th>Dose</th>
<th>[h]</th>
<th>[d]</th>
<th>Species</th>
<th>Source</th>
<th>Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>15630-89-4</td>
<td>Sodium Carbonate Peroxide</td>
<td>Aquatic toxicity</td>
<td>LC50</td>
<td>70.7</td>
<td>Pimephales promelas</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Acute fish toxicity</td>
<td>96 h</td>
<td>70,7</td>
<td>Daphnia pulex</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Acute crustacea toxicity</td>
<td>48 h</td>
<td>4.9 mg/l</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

12.2. Persistence and degradability
The surfactant contained in this mixture complies with the biodegradability criteria as laid down in Regulation (EC) No. 648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

12.3. Bioaccumulative potential
Inorganic product which is not eliminable from water through biological cleaning processes.

SECTION 13: Disposal considerations

13.1. Waste treatment methods
Advice on disposal
Recycle according to official regulations.
For example: designated incinerator
E.g. dispose at suitable refuse site.

Waste disposal number of waste from residues/unused products
070413 WASTES FROM ORGANIC CHEMICAL PROCESSES; wastes from the MFSU of organic plant protection products (except 02 01 08 and 02 01 09), wood preserving agents (except 03 02) and other biocides; solid wastes containing hazardous substances; hazardous waste

Contaminated packaging
Recycle according to official regulations.
Contaminated packages must be completely emptied and can be re-used following proper cleaning.
Packing which cannot be properly cleaned must be disposed of.

SECTION 14: Transport information

Land transport (ADR/RID)
14.1. UN number: not applicable
14.2. UN proper shipping name: not applicable
14.3. Transport hazard class(es): not applicable
14.4. Packing group: not applicable

Inland waterways transport (ADN)
14.1. UN number: not applicable
14.3. Transport hazard class(es): not applicable
14.4. Packing group: not applicable
Marine transport (IMDG)

- **14.1. UN number:** not applicable
- **14.2. UN proper shipping name:** not applicable
- **14.3. Transport hazard class(es):** not applicable

Air transport (ICAO-TI/IATA-DGR)

- **14.1. UN number:** not applicable
- **14.2. UN proper shipping name:** not applicable
- **14.3. Transport hazard class(es):** not applicable

### 14.6. Special precautions for user

Unless specified otherwise, general measures for safe transport must be followed.

### 14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

Not a hazardous material with respect to these transportation regulations.

### SECTION 15: Regulatory information

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

**EU regulatory information**

**Additional information**

Use biocides safely. Always read the label and product information before use.

Type of mix:
- Disinfection
- Detergent

The identity of every active substance and its concentration in metric units:
- 100 g containing:
  - 56.1 g Natriumcarbonat-Peroxhydrat
  - 25 g Tetraacetylehtylendiamin
  - Release of: max. 16.7 g Peressigsäure

**BAuA registration number (Germany): N-38878**

Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH)
To follow: biocide directive (98/8/EC).

**National regulatory information**

- **Employment restrictions:** Observe restrictions to employment for juvenils according to the ‘juvenile work protection guideline’ (94/33/EC). Observe employment restrictions under the Maternity Protection Directive (92/85/EEC) for expectant or nursing mothers.
- **Water contaminating class (D):** 1 - slightly water contaminating

### SECTION 16: Other information

#### Changes

Revised sections: 1, 7, 11, 16
Observe trade association/occupational health regulations.

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

- H272 May intensify fire; oxidiser.
- H302 Harmful if swallowed.
- H318 Causes serious eye damage.
(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)