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

1.1. Product identifier
RAPA SPOTEX

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

Use of the substance/mixture
Identification of the substance or preparation
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
Telefax: +49/89/350608-47
E-mail: info@dr-schnell.de
Contact person: Josef Feuerstein
Telephone: +49/89/350608-46
Internet: www.dr-schnell.de
Responsponsible Department: Laboratory

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:
Causes serious eye damage.

2.2. Label elements

Regulation (EC) No. 1272/2008
Hazard components for labelling
Sodium Carbonate Peroxide
Sulfuric acid, mono-C12-18-alkyl esters, sodium salts

Signal word: Danger

Pictograms:

Hazard statements
H318 Causes serious eye damage.

Precautionary statements
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.
P310 Immediately call a POISON CENTER/doctor.
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></td>
<td>Classification according to Regulation (EC) No. 1272/2008 [CLP]</td>
<td></td>
</tr>
<tr>
<td>15630-89-4</td>
<td>Sodium Carbonate Peroxide &gt; 30 %</td>
<td></td>
</tr>
<tr>
<td>239-707-6</td>
<td>Ox. Sol. 2, Acute Tox. 4, Eye Dam. 1; H272 H302 H318</td>
<td></td>
</tr>
<tr>
<td>497-19-8</td>
<td>Sodium carbonate 5-15 %</td>
<td></td>
</tr>
<tr>
<td>68955-19-1</td>
<td>Sulfuric acid, mono-C12-18-alkyl esters, sodium salts &lt;5 %</td>
<td></td>
</tr>
</tbody>
</table>

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 - 15 % zeolites
- < 5 %polycarboxylates, anionic surfactants, Soap, nonionic surfactants
- optical brighteners, perfumes, enzymes

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

Symptoms of poisoning may develop several hours following exposure. Victim should be under medical observation for at least 48 hours after exposure.

After inhalation

Move victim out of danger zone.
Fresh air intake, if necessary, provide artificial respiration, heat. In case of troubles or persistent symptoms, consult an ophthalmologist. If victim is at risk of losing consciousness, position and transport on their side.

After contact with skin

After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of water. In case of skin irritation, seek medical treatment.

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. To be accompanied by MSDS.
Remove contact lenses, if present and easy to do. Continue rinsing.

After ingestion

Rinse mouth immediately and drink plenty of water.
Do NOT induce vomiting. Call a physician immediately.
In case of vomiting, keep head low so that stomach contents do not reach the lungs.
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.
It can take hours before symptoms of poisoning show up following exposure.

4.3. Indication of any immediate medical attention and special treatment needed
Treat symptomatically. Stomach pumping only with endotracheal intubation.
Subsequent observance for pneumonia and lung oedema.

SECTION 5: Firefighting measures

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

Unsuitable extinguishing media
High power water jet.

5.2. Special hazards arising from the substance or mixture
Non-flammable. Hazardous combustion products
Decomposition compounds.
Gas/vapours, toxic.

5.3. Advice for firefighters
In case of fire: Wear self-contained breathing apparatus. In case of fire and/or explosion do not breathe fumes.
If necessary Full protective suit.
Cool compromised containers with water.

Additional information
Use water spray jet to protect personnel and to cool endangered containers.
Suppress gases/vapours/mists with water spray jet.
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
Provide adequate ventilation. Avoid dust formation.
Do not breathe dust. Avoid contact with skin, eyes and clothes.
Use personal protection equipment.
After contact with water: Special danger of slipping by leaking/spilling product.

6.2. Environmental precautions
Stop leak if safe to do so.
Prevent surface and ground-water infiltration, as well as ground penetration.
Do not allow to enter into surface water or drains.
Leakage into waters, ground or the drainage system, the appropriate authorities must be informed.

6.3. Methods and material for containment and cleaning up
Take up mechanically. Treat the recovered material as prescribed in the section on waste disposal.
Flush residue with plenty of water.

6.4. Reference to other sections
Safe handling: see section 7
Personal protection equipment: see section 8
Disposal: see section 13 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  
If handled uncovered, arrangements with local exhaust ventilation have to be used. Avoid dust formation. Do not breathe dust. In addition to the information contained in this section, relevant information can also be found in sections 8 and 6.1.

Advice on protection against fire and explosion  
Keep away from combustible material.

Further information on handling  
Provide adequate ventilation.  
Provide adequate ventilation as well as local exhaustion at critical locations.  
Keep away from combustible material.  
Oxygen separation can cause oxidising.  
Avoid contact with eyes and skin.  
Observe instructions for use.  
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  
Keep container tightly closed. Store in a place accessible by authorized persons only.  
Store product closed and only in original packing.  
Keep in a cool place.  
Protect against direct sunlight.

Advice on storage compatibility  
Keep away from combustible material.  
Store separately from foodstuffs.

Further information on storage conditions  
To follow: Operating safety directive (BetrSichV).

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  
If handled uncovered, arrangements with local exhaust ventilation have to be used. Do not breathe dust.  
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  
Remove contaminated, saturated clothing immediately. Draw up and observe skin protection programme.  
Wash hands and face before breaks and after work and take a shower if necessary. When using do not eat or drink. 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
Suitable eye protection: Tightly sealed safety glasses. (EN 166)

Hand protection
When handling with chemical substances, protective gloves must be worn with the CE-label including the four control digits. 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. On short hand contact:
Protective gloves of nitrile (EN 374) Permeation time (penetration time) in minutes: 10
Recommendation: Manufacturer: KCL GmbH, D-36124 Eichenzell, E-mail: vertrieb@kcl.de
Specification No.: 730 Camatril Velours
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
Wear suitable protective clothing.

Respiratory protection
In case of inadequate ventilation wear respiratory protection. When exceeding the occupational exposure limit (OEL): Filter A (EN 14387), brown
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

<table>
<thead>
<tr>
<th>Physical state:</th>
<th>Powder</th>
</tr>
</thead>
<tbody>
<tr>
<td>Colour:</td>
<td>white, blue</td>
</tr>
<tr>
<td>Odour:</td>
<td>Fragranced</td>
</tr>
</tbody>
</table>

Test method
pH-Value (at 20 °C): ~10 (20 g/L)

Changes in the physical state
Melting point: not determined
Initial boiling point and boiling range: not determined
Flash point: not determined

Flammability
Solid: not determined
Gas: not determined

Explosive properties
The product has a fire propagating effect since it releases oxygen. Explosive when mixed with combustible material. (R9) Strong gas development possible when decomposing. not determined

Lower explosion limits: not determined (Main ingredient)
Upper explosion limits: not determined (Main ingredient)
Ignition temperature: not determined

Auto-ignition temperature
Solid: not determined
### 10.1. Reactivity
The product has not been tested.

### 10.2. Chemical stability
Stable with proper storage and handling.

### 10.3. Possibility of hazardous reactions
Exothermic reactions with: Acid

### 10.4. Conditions to avoid
- Heat, open flames, ignition sources
- Protect against direct sunlight.

### 10.5. Incompatible materials
Carefully avoid polluting product with other materials.
- metal ions, Metal salt, Metals, Acid, Reducing agent, Alkalis (alkalis).

### 10.6. Hazardous decomposition products
Strong gas development possible when decomposing. Danger of bursting container.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects
- **Toxicokinetics, metabolism and distribution**
  Possibly more information on health effects, see Section 2.1 (classification).
Acute toxicity
Based on available data, the classification criteria are not met.

<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>Rat</td>
<td></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>Rabbit</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>mg/kg</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>497-19-8</td>
<td>sodium carbonate</td>
<td>oral</td>
<td>LD50</td>
<td>Rat</td>
<td></td>
<td>IUCLID</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.

Additional information on tests
The mixture is classified as hazardous according to regulation (EC) No 1272/2008 [CLP].

SECTION 12: Ecological information

12.1. Toxicity
See section 2.1 (rating) for potentially additional information concerning environmental effects.

<table>
<thead>
<tr>
<th>CAS No</th>
<th>Chemical name</th>
<th>Aquatic toxicity</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>Acute fish</td>
<td>LC50</td>
<td>70.7</td>
<td>96 h</td>
<td>Pimephales promelas</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>toxicity</td>
<td>mg/l</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Acute crustacea</td>
<td>EC50</td>
<td>4.9</td>
<td>48 h</td>
<td>Daphnia pulex</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>toxicity</td>
<td>mg/l</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>497-19-8</td>
<td>sodium carbonate</td>
<td>Acute fish</td>
<td>LC50</td>
<td>300</td>
<td>96 h</td>
<td>Lepomis macrochirus</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>toxicity</td>
<td>mg/l</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Acute crustacea</td>
<td>EC50</td>
<td>265</td>
<td>48 h</td>
<td>Daphnia magna</td>
<td>IUCLID</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>toxicity</td>
<td>mg/l</td>
<td></td>
<td></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
No data available
12.4. Mobility in soil
No data available

12.5. Results of PBT and vPvB assessment
No data available

12.6. Other adverse effects
No data available

Further information
Avoid release to the environment.

---

**SECTION 13: Disposal considerations**

### 13.1. Waste treatment methods

**Advice on disposal**
Do not allow to enter into surface water or drains. Dispose of waste according to applicable legislation.
For example: designated incinerator

**Waste disposal number of waste from residues/unused products**
200129 MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS; separately collected fractions (except 15 01); detergents containing hazardous substances; hazardous waste

**Waste disposal number of contaminated packaging**
150102 WASTE PACKAGING; ABSORBENTS, WIPIING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED; packaging (including separately collected municipal packaging waste); plastic packaging

**Contaminated packaging**
Wash with plenty of water. Completely emptied packages can be recycled. Dispose of waste according to applicable legislation.
Completely empty containers
Non-contaminated packages must be recycled or disposed of.
Handle contaminated packages in the same way as the substance itself.
Do not puncture, cut or weld contaminated containers.
Residue may represent an explosion hazard.

---

**SECTION 14: Transport information**

**Land transport (ADR/RID)**

<table>
<thead>
<tr>
<th>14.1. UN number:</th>
<th>Not a hazardous material with respect to these transportation regulations.</th>
</tr>
</thead>
<tbody>
<tr>
<td>14.2. UN proper shipping name:</td>
<td>Not a hazardous material with respect to these transportation regulations.</td>
</tr>
<tr>
<td>14.3. Transport hazard class(es):</td>
<td>Not a hazardous material with respect to these transportation regulations.</td>
</tr>
<tr>
<td>14.4. Packing group:</td>
<td>Not a hazardous material with respect to these transportation regulations.</td>
</tr>
</tbody>
</table>

**Inland waterways transport (ADN)**

<table>
<thead>
<tr>
<th>14.1. UN number:</th>
<th>Not a hazardous material with respect to these transportation regulations.</th>
</tr>
</thead>
<tbody>
<tr>
<td>14.2. UN proper shipping name:</td>
<td>Not a hazardous material with respect to these transportation regulations.</td>
</tr>
<tr>
<td>14.3. Transport hazard class(es):</td>
<td>Not a hazardous material with respect to these transportation regulations.</td>
</tr>
<tr>
<td>14.4. Packing group:</td>
<td>Not a hazardous material with respect to these transportation regulations.</td>
</tr>
</tbody>
</table>

**Marine transport (IMDG)**

<table>
<thead>
<tr>
<th>14.1. UN number:</th>
<th>Not a hazardous material with respect to these transportation regulations.</th>
</tr>
</thead>
<tbody>
<tr>
<td>14.2. UN proper shipping name:</td>
<td>Not a hazardous material with respect to these transportation regulations.</td>
</tr>
<tr>
<td>14.3. Transport hazard class(es):</td>
<td>Not a hazardous material with respect to these transportation regulations.</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>14.1. UN number:</th>
<th>Not a hazardous material with respect to these transportation regulations.</th>
</tr>
</thead>
<tbody>
<tr>
<td>14.2. UN proper shipping name:</td>
<td>Not a hazardous material with respect to these transportation regulations.</td>
</tr>
<tr>
<td>14.3. Transport hazard class(es):</td>
<td>Not a hazardous material with respect to these transportation regulations.</td>
</tr>
</tbody>
</table>
14.1. UN number: Not a hazardous material with respect to these transportation regulations.

14.2. UN proper shipping name: Not a hazardous material with respect to these transportation regulations.

14.3. Transport hazard class(es): Not a hazardous material with respect to these transportation regulations.

14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: no

14.6. Special precautions for user

Persons responsible for the transport of dangerous goods must be trained.

Security provisions must be observed by all persons involved.

Precautions must be taken to avoid injury

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 applicable, as freight is carried as general cargo, not in bulk.

Minimum quantity regulations are not observed here.

Not a hazardous material with respect to these transportation regulations.

Other applicable information

Hazard number and packing code are available on request.

SECTION 15: Regulatory information

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

EU regulatory information

2010/75/EU (VOC): 0%

2004/42/EC (VOC): 0%

Additional information

For classification and labelling, see section 2.

Observe trade association/occupational health regulations.

Observe Chemical Ordinance, ChemO

Observe Chemical Risk Reduction Ordinance, ORRChem

Observe Air Quality Control regulation

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

15.2. Chemical safety assessment

Chemical safety assessments for substances in this mixture were not carried out.

SECTION 16: Other information

Changes

Revised sections: 1, 2, 16

Abbreviations and acronyms

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 Harmonized System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances
Relevant H and EUH statements (number and full text)

H272 May intensify fire; oxidiser.
H302 Harmful if swallowed.
H315 Causes skin irritation.
H318 Causes serious eye damage.
H319 Causes serious eye irritation.
H412 Harmful to aquatic life with long lasting effects.

Further Information

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

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