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

1.1. Product identifier

DR.SCHNELL’S VOLLWASCHMITTEL 6,4 kg

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

Use of the substance/mixture
- Industrial use of laundry products
- 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
e-mail: sdb@dr-schnell.de
Internet: www.dr-schnell.de

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:
- Skin corrosion/irritation: Skin Irrit. 2
- Serious eye damage/eye irritation: Eye Dam. 1

Hazard Statements:
- Causes serious eye irritation.

2.2. Label elements

Regulation (EC) No. 1272/2008

Signal word: Warning
Pictograms:

Hazard statements
- H319 Causes serious eye irritation.

Precautionary statements
- P280 Wear Eye/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.
- P337+P313 If eye irritation persists: Get medical advice/attention.
- P101 If medical advice is needed, have product container or label at hand.
- P264 Wash hands thoroughly after handling.
- P102 Keep out of reach of children.
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>
<th>Classification according to Regulation (EC) No. 1272/2008 [CLP]</th>
<th>EC No</th>
<th>Index No</th>
<th>REACH No</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>497-19-8</td>
<td>Sodium carbonate</td>
<td>15-30 %</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>207-838-8</td>
<td>011-005-00-2</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Eye Irrit. 2; H319</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>15630-89-4</td>
<td>Sodium Carbonate Peroxide</td>
<td>5-15 %</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>239-707-6</td>
<td>01-2119457268-30</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Ox. Sol. 2, Acute Tox. 4, Eye Dam. 1; H272 H302 H318</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1344-09-8</td>
<td>Silicic acid, sodium salt</td>
<td>1-5 %</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>215-687-4</td>
<td>01-2119448725-31</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Skin Irrit. 2, Eye Irrit. 2, STOT SE 3; H319 H335</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>68411-30-3</td>
<td>Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts</td>
<td>1-5 %</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>270-115-0</td>
<td>01-2119489428-22</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Acute Tox. 4, Skin Irrit. 2, Eye Dam. 1, Aquatic Chronic 3; H302 H315 H318 H412</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>68955-19-1</td>
<td>Sulfuric acid, mono-C12-18-alkyl esters, sodium salts</td>
<td>1-5 %</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>273-257-1</td>
<td>01-2119490225-39</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Skin Irrit. 2, Eye Dam. 1, Aquatic Chronic 3; H315 H318 H412</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Fatty alcohol ethoxylate</td>
<td>1-5 %</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Acute Tox. 4, Skin Irrit. 2, Eye Irrit. 2, Aquatic Chronic 3; H302 H315 H319 H412</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></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)
5 - <15% oxygen-based bleaching agents, anionic surfactants
<5% nonionic surfactants, zeolites, phosphonates, polycarboxylates

enzymes, optical brighteners, perfumes

SECTION 4: First aid measures

4.1. Description of first aid measures

After inhalation
Move victim out of danger zone. Provide fresh air.
In all cases of doubt, or when symptoms persist, seek medical advice.

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. In all cases of doubt, or when symptoms persist, seek medical advice. If necessary Consult an ophthalmologist.

**After ingestion**
- Rinse mouth thoroughly with 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 information available.

### SECTION 5: Firefighting measures

5.1. **Extinguishing media**
- **Suitable extinguishing media**
  - Water spray. / Foam. / Extinguishing powder. / Carbon dioxide (CO2).
- **Unsuitable extinguishing media**
  - No information available.

5.2. **Special hazards arising from the substance or mixture**
- Hazardous combustion products
- Oxides of carbon
- Sulphur oxides
- Product supports combustion.

5.3. **Advice for firefighters**
- In case of fire: Wear self-contained breathing apparatus.
- If necessary Full protective suit., Wear face protection.

Additional information
- 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.
- Avoid contact with eyes.
- Avoid breathing dust/fume/gas/mist/vapours/spray.

6.2. **Environmental precautions**
- Do not allow to enter into surface water or drains.
- Prevent surface and ground-water infiltration, as well as ground penetration.
- Do not pour down the drain undiluted.

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.
- Avoid dust formation.

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
Avoid generation of dust.
Provide adequate ventilation.
Wash hands before breaks and after work.
General hygiene measures for the handling of chemicals are applicable.
Observe instructions for use.
Notice the directions for use on the label.
Working methods should be applied according to operating instructions.
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
Not to be stored in gangways or stair wells.
Store product closed and only in original packing.
Protect from moisture. Keep in a cool place.
Protect against direct sunlight.
storage temperature: 5°C - 30°C

7.3. Specific end use(s)
Notice the directions for use on the label.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Additional advice on limit values
General dust limit: 6 mg/ m³
Does not contain substances above concentration limits fixing an occupational exposure limit.

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.

Hand protection
Recommended:
Protective gloves of nitrile (EN 374)
Minimum coating thickness in mm: >0,1 mm
Breakthrough time (maximum wearing time) >480 min.

Hand lotion are recommended.
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

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>Property</th>
<th>Test method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical state</td>
<td>solid, Powder</td>
</tr>
<tr>
<td>Colour</td>
<td>white</td>
</tr>
<tr>
<td>Odour</td>
<td>Fragranced</td>
</tr>
<tr>
<td>pH-Value (at 20 °C)</td>
<td>10-11 (1 %)</td>
</tr>
<tr>
<td>Changes in the physical state</td>
<td></td>
</tr>
<tr>
<td>Melting point</td>
<td>not determined</td>
</tr>
<tr>
<td>Initial boiling point and boiling range</td>
<td>not determined</td>
</tr>
<tr>
<td>Flash point</td>
<td>&gt;100 °C</td>
</tr>
<tr>
<td>Flammability</td>
<td></td>
</tr>
<tr>
<td>Solid</td>
<td>not applicable</td>
</tr>
<tr>
<td>Gas</td>
<td>not applicable</td>
</tr>
<tr>
<td>Explosive properties</td>
<td></td>
</tr>
<tr>
<td>not determined</td>
<td></td>
</tr>
<tr>
<td>Lower explosion limits</td>
<td>not applicable</td>
</tr>
<tr>
<td>Upper explosion limits</td>
<td>not applicable</td>
</tr>
<tr>
<td>Ignition temperature</td>
<td></td>
</tr>
<tr>
<td>Auto-ignition temperature</td>
<td></td>
</tr>
<tr>
<td>Solid</td>
<td>not determined</td>
</tr>
<tr>
<td>Gas</td>
<td>not determined</td>
</tr>
<tr>
<td>Oxidizing properties</td>
<td></td>
</tr>
<tr>
<td>not determined</td>
<td></td>
</tr>
<tr>
<td>Vapour pressure</td>
<td>not applicable</td>
</tr>
<tr>
<td>Vapour pressure</td>
<td>not applicable</td>
</tr>
<tr>
<td>Density (at 20 °C)</td>
<td></td>
</tr>
<tr>
<td>Bulk density</td>
<td>600 kg/m³</td>
</tr>
<tr>
<td>Water solubility</td>
<td>Yes.</td>
</tr>
<tr>
<td>Solubility in other solvents</td>
<td></td>
</tr>
<tr>
<td>not determined</td>
<td></td>
</tr>
<tr>
<td>Partition coefficient</td>
<td>not applicable</td>
</tr>
<tr>
<td>Viscosity / dynamic</td>
<td>not applicable</td>
</tr>
<tr>
<td>Viscosity / kinematic</td>
<td>not applicable</td>
</tr>
<tr>
<td>Solvent content</td>
<td>not determined</td>
</tr>
</tbody>
</table>

9.2. Other information

Mixability: not determined
Fat solubility (g/l): not determined
SECTION 10: Stability and reactivity

10.1. Reactivity
See also Subsection 10.2 to 10.6.
The product has not been tested.

10.2. Chemical stability
See also Subsection 10.1 to 10.6.
Stable with proper storage and handling.

10.3. Possibility of hazardous reactions
See also Subsection 10.4 to 10.6.

10.4. Conditions to avoid
See also section 7.
Protect from moisture.

10.5. Incompatible materials
See also section 7.

10.6. Hazardous decomposition products
Also refer to section 5.3.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

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>497-19-8</td>
<td>sodium carbonate</td>
<td>oral</td>
<td>LD50</td>
<td>4090</td>
<td>IUCLID</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>mg/kg</td>
<td></td>
<td></td>
<td></td>
</tr>
<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>
<tr>
<td>1344-09-8</td>
<td>Silicic acid, sodium salt</td>
<td>oral</td>
<td>LD50</td>
<td>&gt;2000</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></td>
<td></td>
<td>No data available</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>68411-30-3</td>
<td>Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts</td>
<td>oral</td>
<td>LD50</td>
<td>1300</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>Fatty alcohol ethoxylate</td>
<td>oral</td>
<td>ATE</td>
<td>500</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 irritation.
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

<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>497-19-8</td>
<td>sodium carbonate</td>
<td>Acute fish toxicity</td>
<td>LC50</td>
<td>300 mg/l</td>
<td>96 h</td>
<td>Lepomis macrochirus</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Acute crustacea toxicity</td>
<td>EC50</td>
<td>265 mg/l</td>
<td>48 h</td>
<td>Daphnia magna</td>
<td>IUCLID</td>
</tr>
<tr>
<td>15630-89-4</td>
<td>Sodium Carbonate Peroxide</td>
<td>Acute fish toxicity</td>
<td>LC50</td>
<td>70,7 mg/l</td>
<td>96 h</td>
<td>Pimephales promelas</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Acute crustacea toxicity</td>
<td>EC50</td>
<td>4,9 mg/l</td>
<td>48 h</td>
<td>Daphnia pulex</td>
<td></td>
</tr>
<tr>
<td>1344-09-8</td>
<td>Silicic acid, sodium salt</td>
<td>Acute fish toxicity</td>
<td>LC50</td>
<td>&gt;100 mg/l</td>
<td>96 h</td>
<td>Brachydanio rerio (zebra-fish)</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.

Easily biodegradable (concerning to the criteria of the OECD)

### 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

**SECTION 13: Disposal considerations**

### 13.1. Waste treatment methods

**Advice on disposal**

Dispose of waste according to applicable legislation.
E.g. dispose at suitable refuse site.
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
150101  WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED; packaging (including separately collected municipal packaging waste); paper and cardboard packaging

Contaminated packaging
Dispose of waste according to applicable legislation.
Completely empty containers
Contaminated packages must be completely emptied and can be re-used following proper cleaning.
Handle contaminated packages in the same way as the substance itself.

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
14.2. UN proper shipping name: 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

14.5. Environmental hazards
ENVIRONMENTALLY HAZARDOUS: no

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
For classification and labelling, see section 2.
Observe Chemical Ordinance, ChemO
Observe Chemical Risk Reduction Ordinance, ORRChem
Observe Air Quality Control regulation

National regulatory information
Water contaminating class (D): 2 - clearly water contaminating

SECTION 16: Other information

Changes
Revised sections: 2, 3, 16

Abbreviations and acronyms
vPvB = very persistent very bioaccumulative
PBT = persistent bioaccumulative toxic

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.
H335 May cause respiratory 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.)