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

1.1. Product identifier

DR.SCHNELL’S VOLLWASCHMITTEL 20 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

<table>
<thead>
<tr>
<th>Company name:</th>
<th>DR.SCHNELL GmbH &amp; Co. KGaA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Street:</td>
<td>Taunusstraße 19</td>
</tr>
<tr>
<td>Place:</td>
<td>D-80807 München</td>
</tr>
<tr>
<td>Telephone:</td>
<td>+49/89/350608-0</td>
</tr>
<tr>
<td>Fax:</td>
<td>+49/89/350608-47</td>
</tr>
<tr>
<td>E-mail:</td>
<td><a href="mailto:info@dr-schnell.de">info@dr-schnell.de</a></td>
</tr>
<tr>
<td>Contact person:</td>
<td>Josef Feuerstein</td>
</tr>
<tr>
<td>Telephone:</td>
<td>+49/89/350608-46</td>
</tr>
<tr>
<td>E-mail:</td>
<td><a href="mailto:sdb@dr-schnell.de">sdb@dr-schnell.de</a></td>
</tr>
<tr>
<td>Internet:</td>
<td><a href="http://www.dr-schnell.de">www.dr-schnell.de</a></td>
</tr>
<tr>
<td>Responsible Department:</td>
<td>Labor</td>
</tr>
</tbody>
</table>

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 Irrit. 2
- **Hazard Statements:**
  - Causes serious eye irritation.

2.2. Label elements

**Regulation (EC) No. 1272/2008**
- **Signal word:** Warning
- **Pictograms:**
  ![Pictogram]

**Hazard statements**
- H319 Causes serious eye irritation.

**Precautionary statements**
- P280 Wear protective gloves/protective clothing/eye protection/face protection.

2.3. Other hazards

The components in this formulation do not meet the criteria for classification as PBT or vPvB. High pH value can damage water.

**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>EC No</th>
<th>Index No</th>
<th>REACH No</th>
<th>Classification according to Regulation (EC) No. 1272/2008 [CLP]</th>
</tr>
</thead>
<tbody>
<tr>
<td>15630-89-4</td>
<td>Sodium Carbonate Peroxide</td>
<td>5-10 %</td>
<td></td>
<td></td>
<td>01-2119457268-30</td>
<td>Ox. Sol. 2, Acute Tox. 4, Eye Dam. 1; H272 H302 H318</td>
</tr>
<tr>
<td>497-19-8</td>
<td>Sodium Carbonate</td>
<td>3-5 %</td>
<td></td>
<td></td>
<td>011-005-00-2</td>
<td>Eye Irrit. 2; H319</td>
</tr>
<tr>
<td>68411-30-3</td>
<td>Benzolsulfonsäure, C10-13-Alkylderivate, Natriumsalze</td>
<td>3-5 %</td>
<td>270-115-0</td>
<td></td>
<td>01-2119489428-22</td>
<td>Acute Tox. 4, Skin Irrit. 2, Eye Dam. 1, Aquatic Chronic 3; H302 H315 H318 H412</td>
</tr>
<tr>
<td>1344-09-8</td>
<td>Silicic acid, sodium salt</td>
<td>2,5-3 %</td>
<td>215-687-4</td>
<td></td>
<td>01-2119448725-31</td>
<td>Skin Irrit. 2, Eye Irrit. 2, STOT SE 3; H315 H319 H335</td>
</tr>
<tr>
<td>68002-97-1</td>
<td>Lauryl alcohol polyglycol ether</td>
<td>0.5-1 %</td>
<td>500-182-6</td>
<td></td>
<td></td>
<td>Acute Tox. 4, Eye Dam. 1, Aquatic Acute 1 (M-Factor = 10); H302 H318 H400</td>
</tr>
</tbody>
</table>

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

### Further Information

- Regulation (EC) No. 648/2004 (Detergents regulation)
  - 15 % < 30 % zeolites
  - 5 % < 15 % oxygen-based bleaching agents
  - < 5 % anionic surfactants, nonionic surfactants, Soap, polycarboxylates, phosphonates
- Other information:
  - 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.
- If unconscious place in recovery position and seek medical advice.

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

**After ingestion**
- Do NOT induce vomiting.
- Rinse mouth immediately and drink plenty of water.
- 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.
   Water spray. / Carbon dioxide (CO2). / Dry extinguishing powder.
   Unsuitable extinguishing media
   No information available.

5.2. Special hazards arising from the substance or mixture
   Hazardous combustion products
   Oxides of carbon
   Nitrogen oxides (NOx)
   Sulphur oxides
   Phosphorus oxides
   Pyrolysis products, toxic.

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.

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 and skin.
   Avoid contact with water.
   If necessary Caution, slippery

6.2. Environmental precautions
   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, placing in appropriate containers for disposal.
   Treat the recovered material as prescribed in the section on waste disposal.
   Spilled product must never be returned to the original container for recycling.
   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

- Avoid dust formation.
- Provide adequate ventilation.
- Avoid contact with eyes and skin.
- When using, do not eat, drink or smoke.
- Carefully avoid polluting product with other materials.
- 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 product closed and only in original packing.
- Not to be stored in gangways or stair wells.
- Keep away from combustible material.
- Protect from moisture.
- Protect from sunlight.
- Protect against: Generates heat
- Store in a place accessible by authorized persons only.

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)
- If necessary Wear face protection. (EN 166)

Hand protection
- If necessary: rubber gloves.
- 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

With correct and proper use, and under normal conditions, breathing protection is not required.

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: Powder
Colour: white
Odour: Flowery
pH-Value (at 20 °C): 11 (10 g/l)

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

Explosive properties
The product is not: Explosive.
Lower explosion limits: not applicable
Upper explosion limits: not applicable
Ignition temperature: not determined

Auto-ignition temperature
Solid: not determined
Gas: not determined

Oxidizing properties
No.
Vapour pressure: not determined

Density: 0,63 - 0,71 g/cm³
Bulk density: not determined
Water solubility: easily soluble.

Solubility in other solvents
Partition coefficient: not determined
Viscosity / dynamic: not determined
Viscosity / kinematic: not determined
Vapour density: not determined
Solvent content: not determined
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 10.2 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 10.1 to 10.6.
- No decomposition when used as directed.

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

10.5. Incompatible materials
- See also section 7.
- No known hazardous reactions.

10.6. Hazardous decomposition products
- See also Subsection 10.1 to 10.5.
- Also refer to section 5.3.
- No decomposition when used as directed.

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>1034</td>
<td>Rat</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>497-19-8</td>
<td>sodium carbonate</td>
<td>oral</td>
<td>LD50</td>
<td>4090</td>
<td>Rat</td>
<td>IUCLID</td>
</tr>
<tr>
<td>68411-30-3</td>
<td>Benzolsulfonsäure, C10-13-Alkylderivate, Natriumsalze</td>
<td>oral</td>
<td>LD50</td>
<td>- mg/kg</td>
<td>Rat</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>dermal</td>
<td>LD50</td>
<td>- mg/kg</td>
<td>No data available</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>inhalative vapour</td>
<td>LC50</td>
<td>- mg/l</td>
<td>No data available</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>dermal</td>
<td>LD50</td>
<td>- mg/kg</td>
<td>No data available</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>inhalative vapour</td>
<td>LC50</td>
<td>- mg/l</td>
<td>No data available</td>
<td></td>
</tr>
<tr>
<td>68002-97-1</td>
<td>Lauryl alcohol polyglycol ether</td>
<td>oral</td>
<td>LD50</td>
<td>1100-3400</td>
<td>Rat</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**
- See section 2.1 (rating) for potentially additional information concerning environmental effects.
### 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.

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

### 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

According to the recipe, does not contain AOX

### SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

#### Advice on disposal

Dispose of waste according to applicable legislation.

For example: designated incinerator
E.g. dispose at suitable refuse site.

**Waste disposal number of waste from residues/unused products**

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>200129</td>
<td>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</td>
</tr>
</tbody>
</table>

**Waste disposal number of contaminated packaging**

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>150101</td>
<td>WASTE PACKAGING; ABSORBENTS, WIPIING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED; packaging (including separately collected municipal packaging waste); paper and cardboard packaging</td>
</tr>
</tbody>
</table>

**Contaminated packaging**

- 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.

### SECTION 14: Transport information

**Land transport (ADR/RID)**

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.
14.4. **Packing group:** Not a hazardous material with respect to these transportation regulations.

**Inland waterways transport (ADN)**

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.
14.4. **Packing group:** Not a hazardous material with respect to these transportation regulations.

**Marine transport (IMDG)**

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.

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

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**

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**

2004/42/EC (VOC): 0 %

**Additional information**
For classification and labelling, see section 2.

National regulatory information

Employment restrictions: Observe restrictions to employment for juveniles according to the 'juvenile work protection guideline' (94/33/EC).

Water contaminating class (D): 2 - clearly water contaminating

SECTION 16: Other information

Changes
Revised sections: 1, 7, 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.
H400 Very toxic to aquatic life.
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.)