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

1.1. Product identifier
RAPA WHITE

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

Use of the substance/mixture
Professional use of laundry products
Industrial 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
Contact person: Josef Feuerstein
email: info@dr-schnell.de
Internet: www.dr-schnell.de
Responsibility 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 Irrit. 2
Hazardous to the aquatic environment: Aquatic Chronic 3

Hazard Statements:
Causes serious eye irritation.
Harmful to aquatic life with long lasting effects.

2.2. Label elements

Regulation (EC) No. 1272/2008
Signal word: Warning

Pictograms:

Hazard statements
H319 Causes serious eye irritation.
H412 Harmful to aquatic life with long lasting effects.

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.
P373+P313 If eye irritation persists: Get medical advice/attention.
Safety Data Sheet

according to Regulation (EC) No 1907/2006

RAPA WHITE
Product code: 60006_CLP

Special labelling of certain mixtures
EUH208 Contains Orange Terpenes. May produce an allergic reaction.

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>EC No 10-15%</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Index No 01-2119489428-22</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Classification according to Regulation (EC) No 1272/2008 [CLP]</td>
<td></td>
</tr>
<tr>
<td>68411-30-3</td>
<td>Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts</td>
<td>10-15 %</td>
</tr>
<tr>
<td>270-115-0</td>
<td>- fatty alcohol alkoxide</td>
<td>10-15 %</td>
</tr>
<tr>
<td></td>
<td>-</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Skin Irrit. 2; H315</td>
<td></td>
</tr>
<tr>
<td>164524-02-1</td>
<td>potassium p cumolsulfonat</td>
<td>1-5 %</td>
</tr>
<tr>
<td></td>
<td>01-2119489427-24</td>
<td></td>
</tr>
<tr>
<td>15763-76-5</td>
<td>Sodium cumenesulphonate</td>
<td>1-5 %</td>
</tr>
<tr>
<td></td>
<td>01-2119489411-37</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Eye Irrit. 2; H319</td>
<td></td>
</tr>
<tr>
<td></td>
<td>-</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Skin Irrit. 2, Eye Irrit. 2; H315 H319</td>
<td></td>
</tr>
<tr>
<td>8028-48-6</td>
<td>Orange Terpenes</td>
<td>0,1-1 %</td>
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<td></td>
<td>01-2119493353-35</td>
<td></td>
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</tbody>
</table>

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

Further Information

Regulation (EC) No. 648/2004 (Detergents regulation)
15 % - 30 % anionic surfactants
5 % - 15 % nonionic surfactants,
< 5 % phosphonates
perfumes (limonene, Amyl cinnamal), optical brighteners
optical brighteners
2-Bromo-2-nitro-propane-1 ,3-diol

SECTION 4: First aid measures

4.1. Description of first aid measures

After inhalation
Move victim out of danger zone.
Fresh air intake, if necessary, provide artificial respiration, heat.
If victim is at risk of losing consciousness, position and transport on their side.
In all cases of doubt, or when symptoms persist, 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
In case of contact with eyes, rinse immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart. Subsequently consult an ophthalmologist. Protect uninjured eye. To be accompanied by MSDS.

After ingestion
Do NOT induce vomiting. Rinse mouth immediately and drink plenty of water. Call a physician immediately. To be accompanied by MSDS.

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
Treat symptomatically. 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
High power water jet.

5.2. Special hazards arising from the substance or mixture
Non-flammable.

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
Use personal protection equipment.
Keep unprotected persons away.
Special danger of slipping by leaking/spilling product.

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.
Dilute with plenty of water.

6.3. Methods and material for containment and cleaning up
Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents).
Dispose of waste according to applicable legislation.

6.4. Reference to other sections
Safe handling: see section 7
Personal protection equipment: see section 8

See section 10.
Disposal: 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.

Advice on protection against fire and explosion
No special fire protection measures are necessary.

Further information on handling
- Provide adequate ventilation.
- Avoid contact with eyes and skin.
- When using do not eat, drink or smoke.
- 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
- Keep container tightly closed.
- Store in a place accessible by authorized persons only.
- Store product closed and only in original packing.
- Not to be stored in gangways or stair wells.
- Protect against direct sunlight.
- Keep away from heat.
- Maximum storage temperature: 40°C
- Do not store at temperatures below 0°C

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

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Additional advice on limit values
- Applies only if maximum permissible exposure values are listed here.

8.2. Exposure controls

Appropriate engineering controls
- If handled uncovered, arrangements with local exhaust ventilation have to be used.
- Do not breathe gas/fumes/vapour/spray.
- 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
Suitable eye protection: Tightly sealed safety glasses.

Hand protection
Chemical-resistant protective gloves (EN 374)
If necessary
Protective gloves of neoprene (EN 374)
Protective gloves of nitrile (EN 374)
Protective gloves of PVC (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
Wear suitable protective clothing.

Respiratory protection
In case of inadequate ventilation wear respiratory protection.

Environmental exposure controls
No information available.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state: liquid
Colour: yellow
Odour: Fragranced

pH-Value (at 20 °C): 7

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

Flammability
Solid: No.
Gas: No.

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

Decomposition temperature: not determined

Oxidizing properties
not determined

Vapour pressure:
Vapour pressure:
Density: 1,05 g/cm³
### Safety Data Sheet

according to Regulation (EC) No 1907/2006

#### RApa WHITE

**Revision date:** 06.09.2018  **Product code:** 60006_CLP  **Page 6 of 10**

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
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<tbody>
<tr>
<td>Bulk density:</td>
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<tr>
<td>Water solubility:</td>
<td>completely miscible</td>
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<tr>
<td><strong>Solubility in other solvents</strong></td>
<td></td>
</tr>
<tr>
<td>not determined</td>
<td></td>
</tr>
<tr>
<td>Partition coefficient:</td>
<td>not determined</td>
</tr>
<tr>
<td>Viscosity / dynamic (at 20 °C)</td>
<td>60 mPa·s</td>
</tr>
<tr>
<td>Viscosity / kinematic:</td>
<td>not determined</td>
</tr>
<tr>
<td>Vapour density:</td>
<td>not determined</td>
</tr>
<tr>
<td>Evaporation rate:</td>
<td>not determined</td>
</tr>
<tr>
<td>Solvent content:</td>
<td>not determined</td>
</tr>
</tbody>
</table>

**9.2. Other information**

- Solid content: not determined
- 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

No hazardous reaction when handled and stored according to provisions.

#### 10.4. Conditions to avoid

See also section 7.

#### 10.5. Incompatible materials

See also section 7.

No dangerous reactions known.

#### 10.6. Hazardous decomposition products

See also Subsection 10.4 to 10.6.

See also section 5.2.

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.

**ATEmix calculated**

ATE (oral) 1812,4 mg/kg
<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>
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<tbody>
<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>
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<td></td>
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<td></td>
<td>fatty alcohol alkoxylate</td>
<td>oral</td>
<td>LD50</td>
<td>&gt;500-&lt;20</td>
<td>Rat</td>
<td></td>
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<tr>
<td>164524-02-1</td>
<td>potassium p cumolsulfonat</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>&gt;2000</td>
<td>Rabbit</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>inhalation vapour</td>
<td>LC50</td>
<td>&gt;5 mg/l</td>
<td>Rat</td>
<td></td>
</tr>
<tr>
<td>15763-76-5</td>
<td>Sodium cumenesulphonate</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>&gt;2000</td>
<td>Rabbit</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>inhalation (4 h) vapour</td>
<td>LC50</td>
<td>&gt;5 mg/l</td>
<td>Rat</td>
<td></td>
</tr>
<tr>
<td>8028-48-6</td>
<td>Orange Terpenes</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>&gt;2000</td>
<td>Rabbit</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
Contains Orange Terpenes. May produce an allergic reaction.

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.
### CAS No | Chemical name | Aquatic toxicity | Dose | [h] | [d] | Species | Source | Method 
--- | --- | --- | --- | --- | --- | --- | --- | --- 
- | fatty alcohol alkoxylate | | | | | | | |
- | 610-88-5 | Acute fish toxicity | LC50 | 10-100 | 96 h | Brachydanio rerio (zebra-fish) | | |
- | 610-88-5 | Acute algae toxicity | ErC50 | 10-100 | 72 h | | | |
- | 610-88-5 | Acute crustacea toxicity | EC50 | 10-100 | 48 h | | | |
164524-02-1 | potassium p cumolsulfonat | | | | | | | |
- | 164524-02-1 | Acute fish toxicity | LC50 | >100 | 96 h | Cyprinus carpio (Common Carp) | | |
- | 164524-02-1 | Acute algae toxicity | ErC50 | >100 | 72 h | Desmodesmus subspicatus | | |
- | 164524-02-1 | Acute crustacea toxicity | EC50 | >100 | 48 h | Daphnia magna | | |
15763-76-5 | Sodium cumenesulphonate | | | | | | | |
- | 15763-76-5 | Acute fish toxicity | LC50 | >100 | 96 h | Cyprinus carpio (Common Carp) | | |
- | 15763-76-5 | Acute algae toxicity | ErC50 | >100 | 72 h | Grünalge | Desmodesmus subspicatus | |
- | 15763-76-5 | Acute crustacea toxicity | EC50 | >100 | 48 h | Daphnia magna | | |
- | Fettalkohopolyglykolethersulfat, Na-Salz | | | | | | | |
- | Fettalkohopolyglykolethersulfat, Na-Salz | Acute fish toxicity | LC50 | 1-10 | 96 h | Brachydanio rerio (zebra-fish) | Zebrabärbling | |
- | Fettalkohopolyglykolethersulfat, Na-Salz | Acute algae toxicity | ErC50 | 1,6 mg/l | 96 h | Selenastrum capricornutum | | |
8028-48-6 | Orange Terpenes | | | | | | | |
- | 8028-48-6 | Acute crustacea toxicity | EC50 | 34,1 | 48 h | Daphnia magna | | |

#### 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
Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil.

**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.
Do not put in household waste.

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, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED; packaging (including separately collected municipal packaging waste); plastic packaging

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


### National regulatory information

Employment restrictions: Observe restrictions to employment for juveniles 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): 2 - clearly 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, 7, 11, 12, 15, 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
- ELINCS: European List of Notified Chemical Substances
- CAS: Chemical Abstracts Service
- LC50: Lethal concentration, 50%
- LD50: Lethal dose, 50%

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

<table>
<thead>
<tr>
<th>H/EUH</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>H226</td>
<td>Flammable liquid and vapour.</td>
</tr>
<tr>
<td>H302</td>
<td>Harmful if swallowed.</td>
</tr>
<tr>
<td>H304</td>
<td>May be fatal if swallowed and enters airways.</td>
</tr>
<tr>
<td>H315</td>
<td>Causes skin irritation.</td>
</tr>
<tr>
<td>H317</td>
<td>May cause an allergic skin reaction.</td>
</tr>
<tr>
<td>H318</td>
<td>Causes serious eye damage.</td>
</tr>
<tr>
<td>H319</td>
<td>Causes serious eye irritation.</td>
</tr>
<tr>
<td>H400</td>
<td>Very toxic to aquatic life.</td>
</tr>
<tr>
<td>H410</td>
<td>Very toxic to aquatic life with long lasting effects.</td>
</tr>
<tr>
<td>H412</td>
<td>Harmful to aquatic life with long lasting effects.</td>
</tr>
<tr>
<td>EUH208</td>
<td>Contains Orange Terpenes. May produce an allergic reaction.</td>
</tr>
</tbody>
</table>

#### 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.)