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

1.1. Product identifier

Product name: CARE-TAB for RATIONAL SelfCookingCenter®, Art.-No. 56.00.560, 56.00.562

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

Use of substance / mixture: Care-Tab for SelfCooking Center for professional users

1.3. Details of the supplier of the safety data sheet

Company name: Rational AG
Iglinger Strasse 62
D - 86899 Landsberg
Germany
Tel: +49 (0)8191 - 3270
Fax: +49 (0)8191 - 21735
Email: reinigung@rational-online.de

1.4. Emergency telephone number

Emergency tel: +49 (0)89 - 19240
(24 hours Giftnotruf München)
NPIS: 0870 600 62666
National poison information service (UK)

Section 2: Hazards identification

2.1. Classification of the substance or mixture

Classification under CLP: Eye Irrit. 2: H319; Skin Irrit. 2: H315
Most important adverse effects: Causes skin irritation. Causes serious eye irritation.

2.2. Label elements

Label elements under CLP:
- Hazard statements: H315: Causes skin irritation.
  H319: Causes serious eye irritation.
- Signal words: Warning
- Hazard pictograms: GHS07: Exclamation mark

Precautionary statements:
- P102: Keep out of reach of children.
- P101: If medical advice is needed, have product container or label at hand.
- P280: Wear protective gloves.
- P302+352: IF ON SKIN: Wash with plenty of soap and water.

[cont...]
SAFETY DATA SHEET
CARE-TAB for RATIONAL SelfCookingCenter®

P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P308+313: IF exposed or concerned: Get medical advice/attention.

2.3. Other hazards

PBT: This substance is not identified as a PBT substance.

Section 3: Composition/information on ingredients

*3.2. Mixtures

Hazardous ingredients:

CITRIC ACID - REACH registered number(s): 01-2119457026-42-0000

<table>
<thead>
<tr>
<th>EINECS</th>
<th>CAS</th>
<th>CLP Classification</th>
<th>Percent</th>
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<tbody>
<tr>
<td>201-069-1</td>
<td>77-92-9</td>
<td>Eye Irrit. 2: H319</td>
<td>&gt;20%</td>
</tr>
</tbody>
</table>

MALIC ACID - REACH registered number(s): 02-2119752657-27-0000

<table>
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<th>CLP Classification</th>
<th>Percent</th>
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</thead>
<tbody>
<tr>
<td>210-514-9</td>
<td>617-48-1</td>
<td>Eye Irrit. 2: H319; Skin Irrit. 2: H315</td>
<td>&gt;20%</td>
</tr>
</tbody>
</table>

ADIPIC ACID - REACH registered number(s): 01-2119457561-38-0000

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<th>CAS</th>
<th>CLP Classification</th>
<th>Percent</th>
</tr>
</thead>
<tbody>
<tr>
<td>204-673-3</td>
<td>124-04-9</td>
<td>Eye Irrit. 2: H319</td>
<td>1-5%</td>
</tr>
</tbody>
</table>

Section 4: First aid measures

4.1. Description of first aid measures

Skin contact: Wash immediately with plenty of soap and water.

Eye contact: Bathe the eye with running water for 15 minutes. Transfer to hospital for specialist examination.

Ingestion: Wash out mouth with water. Do not induce vomiting. Consult a doctor.

Inhalation: Not applicable.

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

Skin contact: There may be irritation and redness at the site of contact.

Eye contact: There may be irritation and pain. The eyes may water profusely. The vision may become blurred.

Ingestion: There may be soreness and redness of the mouth and throat. Nausea and stomach pain may occur.

Inhalation: Not applicable.

Delayed / immediate effects: Immediate effects can be expected after long-term exposure.

*4.3. Indication of any immediate medical attention and special treatment needed

Immediate / special treatment: Not applicable.

Section 5: Fire-fighting measures

5.1. Extinguishing media

Extinguishing media: Suitable extinguishing media for the surrounding fire should be used.

[cont...]
5.2. Special hazards arising from the substance or mixture

Exposure hazards: Not applicable.

5.3. Advice for fire-fighters

Advice for fire-fighters: Not applicable.

Section 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions: Refer to section 8 of SDS for personal protection details.

6.2. Environmental precautions

Environmental precautions: Contain the spillage using bunding.

6.3. Methods and material for containment and cleaning up

Clean-up procedures: Wash the spillage site with large amounts of water. Refer to section 13 of SDS for suitable method of disposal.

6.4. Reference to other sections

Reference to other sections: Refer to section 8 of SDS.

Section 7: Handling and storage

7.1. Precautions for safe handling

Handling requirements: Avoid direct contact with the substance.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions: Store in cool, well ventilated area. Avoid contact with water or humidity.

Suitable packaging: Must only be kept in original packaging.

7.3. Specific end use(s)

Specific end use(s): No data available.

Section 8: Exposure controls/personal protection

8.1. Control parameters

Workplace exposure limits: No data available.

8.2. Exposure controls

Engineering measures: Ensure there is sufficient ventilation of the area.

Respiratory protection: Respiratory protection not required.

Hand protection: Protective gloves. Suitable material: NR (natural rubber), CR (polychloroprene) or NBR (nitrile rubber), category III according to EN 374.

Eye protection: Safety glasses.

Skin protection: Not applicable.

Environmental: No special requirement.

Section 9: Physical and chemical properties

[cont...]
### 9.1. Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>State</td>
<td>Solid</td>
</tr>
<tr>
<td>Colour</td>
<td>White</td>
</tr>
<tr>
<td>Odour</td>
<td>Characteristic odour</td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>Not applicable.</td>
</tr>
<tr>
<td>Oxidising</td>
<td>Non-oxidising (by EC criteria)</td>
</tr>
<tr>
<td>Solubility in water</td>
<td>Soluble</td>
</tr>
<tr>
<td>Viscosity</td>
<td>No data available.</td>
</tr>
<tr>
<td>Boiling point/range°C</td>
<td>Not applicable.</td>
</tr>
<tr>
<td>Flammability limits %: lower</td>
<td>Not applicable.</td>
</tr>
<tr>
<td>Flash point°C</td>
<td>Not applicable.</td>
</tr>
<tr>
<td>Autoflammability°C</td>
<td>Not applicable.</td>
</tr>
<tr>
<td>Relative density</td>
<td>800 g/l</td>
</tr>
<tr>
<td>VOC g/l</td>
<td>&lt;3%</td>
</tr>
</tbody>
</table>

**Melting point/range°C:** Not applicable.  
**Upper:** Not applicable.  
**Part. coeff. n-octanol/water:** No data available.  
**Vapour pressure:** Not applicable.  
**pH:** 2.5 (1%ig)

### 9.2. Other information

**Other information:** No data available.

### Section 10: Stability and reactivity

#### 10.1. Reactivity

**Reactivity:** Stable under recommended transport or storage conditions.

#### 10.2. Chemical stability

**Chemical stability:** Stable under normal conditions.

#### 10.3. Possibility of hazardous reactions

**Hazardous reactions:** Hazardous reactions will not occur under normal transport or storage conditions.  
Decomposition may occur on exposure to conditions or materials listed below.

#### 10.4. Conditions to avoid

**Conditions to avoid:** Humidity.

#### 10.5. Incompatible materials

**Materials to avoid:** Not applicable.

#### 10.6. Hazardous decomposition products

**Haz. decomp. products:** Not applicable.

### Section 11: Toxicological information

#### 11.1. Information on toxicological effects

[cont...]
Hazardous ingredients:

CITRIC ACID

<table>
<thead>
<tr>
<th></th>
<th>RAT</th>
<th>LD50</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>ORL</td>
<td></td>
<td>5790</td>
<td>mg/kg</td>
</tr>
</tbody>
</table>

MALIC ACID

<table>
<thead>
<tr>
<th></th>
<th>RAT</th>
<th>LD50</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>ORL</td>
<td></td>
<td>3200</td>
<td>mg/kg</td>
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</table>

ADIPIC ACID

<table>
<thead>
<tr>
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<th>LD50</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>ORL</td>
<td></td>
<td>5560</td>
<td>mg/kg</td>
</tr>
</tbody>
</table>

Toxicity values: No data available.

Symptoms / routes of exposure

Skin contact: There may be irritation and redness at the site of contact.

Eye contact: There may be irritation and pain. The eyes may water profusely. The vision may become blurred.

Ingestion: There may be soreness and redness of the mouth and throat. Nausea and stomach pain may occur.

Inhalation: Not applicable.

Delayed / immediate effects: Immediate effects can be expected after long-term exposure.

Section 12: Ecological information

12.1. Toxicity

Hazardous ingredients:

CITRIC ACID

<table>
<thead>
<tr>
<th>Species</th>
<th>Test Duration</th>
<th>EC50/LC50</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Daphnia magna</td>
<td>72H</td>
<td>~120</td>
<td>mg/l</td>
</tr>
<tr>
<td>Leuciscus idus</td>
<td>96H</td>
<td>440-706</td>
<td>mg/l</td>
</tr>
</tbody>
</table>

ADIPIC ACID

<table>
<thead>
<tr>
<th>Species</th>
<th>Test Duration</th>
<th>LC50</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Daphnia magna</td>
<td>48H</td>
<td>46</td>
<td>mg/l</td>
</tr>
<tr>
<td>Pimephales promelas</td>
<td>96H</td>
<td>88-97</td>
<td>mg/l</td>
</tr>
</tbody>
</table>

12.2. Persistence and degradability

Persistence and degradability: Biodegradable.

12.3. Bioaccumulative potential

Bioaccumulative potential: No data available.

12.4. Mobility in soil

Mobility: Soluble in water.
12.5. Results of PBT and vPvB assessment

PBT identification: This substance is not identified as a PBT substance.

12.6. Other adverse effects

Other adverse effects: Negligible ecotoxicity.

Section 13: Disposal considerations

13.1. Waste treatment methods

Disposal operations: Transfer to a suitable container and arrange for collection by specialised disposal company.

Disposal of packaging: May be reused following decontamination.

NB: The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

Section 14: Transport information

Transport class: This product does not require a classification for transport.

Section 15: Regulatory information

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

Specific regulations: Not applicable.

15.2. Chemical Safety Assessment

Chemical safety assessment: A chemical safety assessment has not been carried out for the substance or the mixture by the supplier.

Section 16: Other information

Other information: This safety data sheet is prepared in accordance with Commission Regulation (EU) No. 1907/2006.

* indicates text in the SDS which has changed since the last revision.

Data references: Safety data sheets from our raw material suppliers

Classification for mixtures and used evaluation method according to Article 9 of regulation (EC) 1272/2008 (CLP):

Calculation method

Phrases used in s.2 and 3: H315: Causes skin irritation.

H319: Causes serious eye irritation.

Legal disclaimer: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.