SAFETY DATA SHEET
according to Regulation (EC) No. 1907/2006 (REACH)
with its amendment Regulation (EU) 2015/830

Page: 1
Compilation date: 04.07.2011
Revision date: 26.11.2018
Revision No: 6.5

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

1.1. Product identifier

*Product name: Care tab for all SelfCookingCenter® models with Efficient CareControl; Art.-Nr. 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
Siegfried-Meister-Straße 1
86899 Landsberg am Lech
Germany
Tel: +49 8191 327-2563
Fax: +49 8191 327-72 2563
Email: reinigung@rational.com

1.4. Emergency telephone number

Emergency tel: +49 89 19 240
NPIS: 0870 600 62666
Giftnotruf München ‘Klinikum rechts der Isar’ 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:
Hazard statements: H315: Causes skin irritation.
H319: Causes serious eye irritation.
Hazard pictograms: GHS07: Exclamation mark

Signal words: Warning
Precautionary statements: P102: Keep out of reach of children.
P101: If medical advice is needed, have product container or label at hand.
P302+P352: IF ON SKIN: Wash with plenty of soap/water.

[cont...]
SAFETY DATA SHEET
CARE-TAB

P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P308+P313: IF exposed or concerned: Get medical advice/attention.

2.3. Other hazards

PBT: This product is not identified as a PBT/vPvB 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>SCL</th>
<th>CLP Classification</th>
<th>Percent</th>
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</thead>
<tbody>
<tr>
<td>201-069-1</td>
<td>77-92-9</td>
<td>-</td>
<td>Eye Irrit. 2: H319</td>
<td>&gt;20%</td>
</tr>
</tbody>
</table>

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

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<th>EINECS</th>
<th>CAS</th>
<th>SCL</th>
<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>-</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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<thead>
<tr>
<th>EINECS</th>
<th>CAS</th>
<th>SCL</th>
<th>CLP Classification</th>
<th>Percent</th>
</tr>
</thead>
<tbody>
<tr>
<td>204-673-3</td>
<td>124-04-9</td>
<td>-</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.

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 a cool, well ventilated area. Avoid contact with water or humidity. Storage class: 13 (Non-combustible solids)

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.

'DNEL/PNEC Values
Hazardous ingredients:

**CITRIC ACID**

<table>
<thead>
<tr>
<th>Type</th>
<th>Exposure</th>
<th>Value</th>
<th>Population</th>
<th>Effect</th>
</tr>
</thead>
<tbody>
<tr>
<td>DNEL</td>
<td>not available</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>PNEC</td>
<td>Fresh water</td>
<td>0,44 mg/l</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>PNEC</td>
<td>Marine water</td>
<td>0,044 mg/l</td>
<td>-</td>
<td>-</td>
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</tbody>
</table>

**ADIPIC ACID**

<table>
<thead>
<tr>
<th>Type</th>
<th>Exposure</th>
<th>Value</th>
<th>Population</th>
<th>Effect</th>
</tr>
</thead>
<tbody>
<tr>
<td>DNEL</td>
<td>Dermal (repeated dose)</td>
<td>38 mg/kg</td>
<td>Workers</td>
<td>Systemic</td>
</tr>
<tr>
<td>DNEL</td>
<td>Oral</td>
<td>19 mg/kg</td>
<td>Population</td>
<td>Systemic</td>
</tr>
<tr>
<td>DNEL</td>
<td>Dermal (repeated dose)</td>
<td>19 mg/kg</td>
<td>Population</td>
<td>Systemic</td>
</tr>
<tr>
<td>PNEC</td>
<td>Fresh water</td>
<td>0,126 mg/l</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>PNEC</td>
<td>Marine water</td>
<td>0,013 mg/l</td>
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<td>-</td>
</tr>
<tr>
<td>PNEC</td>
<td>Soil (agricultural)</td>
<td>0,023 mg/kg</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>PNEC</td>
<td>Microorganisms in sewage treatment</td>
<td>59,1 mg/l</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>

8.2. Exposure controls

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

**Respiratory protection:** Respiratory protection not required.

**Hand protection:** Protective gloves. Nitrile gloves.

**Eye protection:** Safety glasses.

**Skin protection:** Not applicable.

**Environmental:** No special requirement.

Section 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

**State:** Solid

**Colour:** White

**Odour:** Characteristic odour

**Evaporation rate:** Not applicable.

**Oxidising:** Non-oxidising (by EC criteria)

**Solubility in water:** Soluble

**Viscosity:** No data available.

**Boiling point/°C:** Not applicable.

**Flammability limits %: lower:** Not applicable.

**Flash point/°C:** Not applicable.

**Autoignitability/°C:** Not applicable.

**Relative density:** 800 g/l

**VOC g/l:** <3%

**Melting point/°C:** Not applicable.

**Part.coef. n-octanol/water:** No data available.

**Vapour pressure:** Not applicable.

**pH:** 2.5 (1%)
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

Hazardous ingredients:

**CITRIC ACID**

<table>
<thead>
<tr>
<th>ORL</th>
<th>RAT</th>
<th>LD50</th>
<th>5790</th>
<th>mg/kg</th>
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**MALIC ACID**

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**ADIPIC ACID**

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<tr>
<th>ORL</th>
<th>RAT</th>
<th>LD50</th>
<th>5560</th>
<th>mg/kg</th>
</tr>
</thead>
</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.

Other information: Not applicable.

Section 12: Ecological information

12.1. Toxicity

Hazardous ingredients:

**CITRIC ACID**

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

**ADIPIC ACID**

<table>
<thead>
<tr>
<th>Daphnia magna</th>
<th>48H LC50</th>
<th>46 mg/l</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pimephales promelas</td>
<td>96H LC50</td>
<td>88-97 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 product is not identified as a PBT/vPvB 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:* Ingredients according to Regulation (EC) No 648/2004:
<5% polycarboxylates, non-ionic surfactants.

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:

- according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830
- * 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 s.3:
- H315: Causes skin irritation.
- H319: Causes serious eye irritation.

Legal disclaimer: The above information is believed to be correct. This company shall not be held liable for any damage resulting from handling or from contact with the above product.