SAFETY DATA SHEET
According regulation (EC) No. 1907/2006

Compilation date: 16.08.2010
Revision date: 25.05.2016
Revision No: 4.1

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

1.1. Product identifier
Product name: Defoamer-Tab for RATIONAL SelfCookingCenter®, Art.-Nr. 56.00.598

1.2. Relevant identified uses of the substance or mixture and uses advised against
Use of substance / mixture: Defoamer for professional users

1.3. Details of the supplier of the safety data sheet
Company name: RATIONAL AG
Iglinger Strasse 62
86899 Landsberg am Lech
Germany
Tel: +49 8191 327-2365
Fax: +49 8191 327-72 2365
Email: reinigung@rational-online.com

1.4. Emergency telephone number
Emergency tel: +49 89 - 19 24 0
(Giftnotruf München "Klinikum rechts der Isar")

Section 2: Hazards identification

2.1. Classification of the substance or mixture
Classification under CLP: Eye Irrit. 2: H319
Most important adverse effects: Causes serious eye irritation.

2.2. Label elements

Label elements under CLP:
Hazard statements: 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 eye protection.
P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact...
lenses, if present and easy to do. Continue rinsing.
P337+313: If eye irritation persists: Get medical advice/medical 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:

SODIUM CARBONATE - REACH registered number(s): 01-2119485498-19-0000

<table>
<thead>
<tr>
<th>EINECS</th>
<th>CAS</th>
<th>SCL</th>
<th>CLP Classification</th>
<th>Percent</th>
</tr>
</thead>
<tbody>
<tr>
<td>207-838-8</td>
<td>497-19-8</td>
<td>-</td>
<td>Eye Irrit. 2: H319</td>
<td>20-50%</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. Consult a doctor.
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 pain and redness. The eyes may water profusely. The vision may become blurred.
Ingestion: 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: Wear protective clothing to prevent contact with skin and eyes.
## 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 13 of SDS.

## Section 7: Handling and storage

### 7.1. Precautions for safe handling

**Handling requirements:** Not applicable.

### 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:** Not applicable.

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

**Hand protection:** Not applicable.

**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
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Section 9: Transport information

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:
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SODIUM CARBONATE

<table>
<thead>
<tr>
<th></th>
<th>MUS</th>
<th>LD50</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>ORL</td>
<td></td>
<td>6600</td>
<td>mg/kg</td>
</tr>
<tr>
<td>ORL</td>
<td></td>
<td>4090</td>
<td>mg/kg</td>
</tr>
<tr>
<td>SCU</td>
<td></td>
<td>2210</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 pain and redness. The eyes may water profusely. The vision may become blurred.

Ingestion: 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:

SODIUM CARBONATE

<table>
<thead>
<tr>
<th></th>
<th>Freshwater Invertebrates</th>
<th>48H EC50</th>
<th>200-227</th>
<th>mg/l</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lepomis macrochirus</td>
<td></td>
<td>96H LC50</td>
<td>300</td>
<td>mg/l</td>
</tr>
</tbody>
</table>

12.2. Persistence and degradability

Persistence and degradability: No data available.

12.3. Bioaccumulative potential

Bioaccumulative potential: No data available.

12.4. Mobility in soil

Mobility: No data available.

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: No data available.

Section 13: Disposal considerations

13.1. Waste treatment methods

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

Waste code number: 20 01 29

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

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:

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.