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

**Product identifier**
Rinsing Tab for RATIONAL SelfCooking Center®, Art-Nr. 56.00.208, 56.00.211

**RELEVANT IDENTIFIED USES OF THE SUBSTANCE OR MIXTURE AND USES ADVISED AGAINST**

**Use of the substance/mixture**
Rinse aid

**Details of the supplier of the safety data sheet**

- **Company name:** Rational AG
- **Street:** Iglinger Strasse 62
- **Place:** D-86899 Landsberg
- **Telephone:** +49 (0)8191-3270
- **Telefax:** +49 (0)8191-21735
- **Responsible Department:** Responsible for the safety data sheet: reinigung@rational-online.de
- **Emergency telephone:** In North America contact Info Trac at 1-800-535-5053 outside USA/CA: ++49 (0)89-19240

**SECTION 2: Hazards identification**

**Classification of the substance or mixture**
Indications of danger: Xi - Irritant
R phrases:
- Irritating to eyes.
- Not known.

**Other hazards**
Not known.

**SECTION 3: Composition/information on ingredients**

**Mixtures**

**Hazardous components**

<table>
<thead>
<tr>
<th>CAS No</th>
<th>Chemical name</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>7757-82-6</td>
<td>Sodium sulfate</td>
<td>45 - 50 %</td>
</tr>
<tr>
<td>77-92-9</td>
<td>Citric acid</td>
<td>&lt; 45 %</td>
</tr>
<tr>
<td>25322-68-3</td>
<td>Poly (ethylene glycol)</td>
<td>5 - 10 %</td>
</tr>
<tr>
<td></td>
<td>Fatty alcohol alcoxylate</td>
<td>&lt; 5 %</td>
</tr>
<tr>
<td>7631-86-9</td>
<td>Silicon oxide</td>
<td>1 - 5 %</td>
</tr>
</tbody>
</table>

**SECTION 4: First aid measures**

**Description of first aid measures**

**General information**
Remove contaminated soaked clothing immediately.
If you feel unwell, seek medical advice.

**After inhalation**
Move to fresh air in case of accidental inhalation of dust or fumes from overheating or combustion.

**After contact with skin**
In case of contact with skin wash off immediately with soap and water.
Consult a doctor if skin irritation persists.

**After contact with eyes**
Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.
Seek medical treatment by eye specialist.

After ingestion
Do not induce vomiting.
Rinse out mouth and give plenty of water to drink.
Never give anything by mouth to an unconscious person.
Summon a doctor immediately.

Indication of any immediate medical attention and special treatment needed
Treat symptoms.

SECTION 5: Firefighting measures

Extinguishing media

Suitable extinguishing media
Product does not burn, fire-extinguishing activities according to surrounding.

Extinguishing media which must not be used for safety reasons
Full water jet

Special hazards arising from the substance or mixture
Fire may produce:
Irritant/corrosive, flammable as well as toxic distillation gases (carbonization gases).

Advice for firefighters
Use breathing apparatus with independent air supply.
Protective suit

Additional information
Cool containers at risk with water spray jet.
Fire residues and contaminated firefighting water must be disposed of in accordance with the local regulations.

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures
Avoid contact with skin, eyes and clothing.
Ensure adequate ventilation.
Avoid dust formation.
Use personal protective clothing.

Environmental precautions
Do not discharge into the drains/surface waters/groundwater.

Methods and material for containment and cleaning up
Pick up mechanically, avoiding dust, and provide disposal in suitable recipients.
Flush away residues with water.

Reference to other sections
Observe protective instructions (see Sections 7 and 8).
Information for disposal look up chapter 13.

SECTION 7: Handling and storage

Precautions for safe handling

Advice on safe handling
Avoid the formation of dust.
Provide appropriate exhaust ventilation at machinery and at places where dust can be generated.
Do not breathe dust.
Avoid contact with eyes, skin or mucous membrane.

Advice on protection against fire and explosion
No special protective measures against fire required.
Rinsing Tab für RATIONAL SelfCooking Center®, Art-Nr. 56.00.208, 56.00.211

Safety Data Sheet
according to WHMIS

Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels
Keep in the original sealed container.
Keep containers tightly closed in a dry, well-ventilated place.

Further information on storage conditions
Keep away from food, drink and animal feeding stuffs.

Specific end use(s)
Rinse aid

SECTION 8: Exposure controls/personal protection

Control parameters

Exposure controls
Occupational exposure controls
Provide appropriate exhaust ventilation at machinery and at places where dust can be generated.

Protective and hygiene measures
Avoid the formation of dust. Eviter d'inhaler la poussière.
Avoid contact with eyes and skin.
Wash hands before breaks and immediately after handling the product.
When using, do not eat, drink or smoke.
Remove and wash contaminated clothing before re-use.

Respiratory protection
No personal respiratory protective equipment normally required.
Breathing apparatus (particle filter) only if dust is formed.

Hand protection
Protective gloves resistant to chemicals made off natural-rubber latex, Minimum coat thickness 0.6 mm, Permeation resistance (wear duration) approx. 480 minutes, i.e. protective glove <Lapren 706> made by www.kcl.de.
This recommendation refers exclusively to the chemical compatibility and the lab test conforming to EN 374 carried out under lab conditions.
Requirements can vary as a function of the use. Therefore it is necessary to adhere additionally to the recommendations given by the manufacturer of protective gloves.

Eye protection
Tightly fitting goggles
Eye wash bottle with pure water.

SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Physical state:</th>
<th>Solid</th>
</tr>
</thead>
<tbody>
<tr>
<td>Colour:</td>
<td>White</td>
</tr>
<tr>
<td>Odour:</td>
<td>Characteristic</td>
</tr>
</tbody>
</table>

| pH-Value:          | n. d.          |

Changes in the physical state

<table>
<thead>
<tr>
<th>Flash point:</th>
<th>n.a.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lower explosion limits:</td>
<td>n.a.</td>
</tr>
<tr>
<td>Upper explosion limits:</td>
<td></td>
</tr>
<tr>
<td>Ignition temperature:</td>
<td>n.a.</td>
</tr>
</tbody>
</table>
Rinsing Tab für RATIONAL SelfCooking Center®, Art-Nr. 56.00.208, 56.00.211

Safety Data Sheet
according to WHMIS

Print date: 19.03.2013
Product code: 00625-0004
Page 4 of 6

Water solubility: Soluble
(at 20 °C)

Other information
Bulk density: approx. 950 g/L

SECTION 10: Stability and reactivity

Conditions to avoid
Protect from moisture.

Incompatible materials
No materials to be especially mentioned.

Hazardous decomposition products
No hazardous decomposition products known.

SECTION 11: Toxicological information

Information on toxicological effects

Acute toxicity
Citric acid
LD50/oral/rat: 6730 mg/kg
Fatty alcohol alcoxylate
LD50/oral/rat: > 2000 mg/kg

Irritation and corrosivity
Skin irritation: Not classified.
Eye irritation: Irritant

Sensitizing effects
Not classified.

Severe effects after repeated or prolonged exposure
STOT - Single exposure: Not classified.
STOT - Repeated exposure: Not classified.
Aspiration hazard: Not classified.

Carcinogenic/mutagenic/toxic effects for reproduction
Carcinogenicity: Not classified.
Mutagenicity: Not classified.
Teratogenicity: Not classified.

Empirical data on effects on humans
Ingestion causes irritation of upper respiratory system and gastrointestinal disturbance.
Inhalation of dust may cause shortness of breath, tightness of the chest, a sore throat and cough.
May cause skin irritation with susceptible persons.

SECTION 12: Ecological information

Toxicity
Citric acid
LC50/Leuciscus idus/96 h = 440 - 706 mg/l
Fatty alcohol alcoxylate
LC50/Leuciscus idus/96 h = 1 - 10 mg/l
EC50/Daphnia magna/100 h = 85 mg/l

Persistence and degradability
Product is biodegradable.

Bioaccumulative potential
No data available.
Other adverse effects
No data available.

SECTION 13: Disposal considerations

Waste treatment methods

Advice on disposal
Remove in accordance with local official regulations.

Contaminated packaging
Empty containers should be taken for local recycling, recovery or waste disposal.
Contaminated packaging should be emptied as far as possible and after appropriate cleansing may be
taken for reuse.
Packing that cannot be cleaned should be disposed of like the product.

SECTION 14: Transport information

Canadian TDG

Proper shipping name
Not regulated.

Other applicable information
Non hazardous material as defined by the transport regulations.

SECTION 15: Regulatory information

Canadian regulations
This product has been classified according to the hazard criteria of the CPR and the MSDS contains all the
information required by the CPR.

DSL/NDSL inventory status
All of the components are listed on the DSL Inventory.

WHMIS classification
WHMIS: D2B

This product has been classified in accordance with the hazard criteria of the Controlled Products
Regulations (CPR) and the MSDS contains all information required by the CPR.

Chemical Safety Assessment
For this substance a chemical safety assessment has not been carried out.

SECTION 16: Other information

Further Information
Data of sections 4 to 8, as well as 10 to 12, do not necessarily refer to the use and the regular handling
of the product (in this sense consult package leaflet and expert information), but to release of major
amounts in case of accidents and irregularities.
The information describes exclusively the safety requirements for the product (s) and is based on the
present level of our knowledge.
The delivery specifications are contained in the corresponding product sheet.
This data does not constitute a guarantee for the characteristics of the product(s) as defined by the
legal warranty regulations.
*(n.a. = not applicable; n.d. = not determined)*
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(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)