Detergent-Tab for RATIONAL SelfCookingCenter®

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

1.1. Product identifier
Detergent-Tab for RATIONAL SelfCookingCenter®, Art.-No. 56.00.206, 56.00.210, 56.00.220

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

Use of the substance/mixture
Cleaning agent
for professional users only

Uses advised against
Do not use substance for purposes other than those indicated by the manufacturer.

1.3. Details of the supplier of the safety data sheet
Company name: COMCATER PTY LTD
Street: 156 Swann Drive
Place: Derrimut
Victoria 3030, Australia
Telephone: +61 3 8369 4600
Telefax: +61 3 8369 4699
Internet: www.comcater.com.au
Responsible Department: Responsible for the safety data sheet: sds@gbk-ingelheim.de

1.4. Emergency telephone number: POISONS INFORMATION CENTRE Phone: 13 11 26

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

CLASSIFIED AS HAZARDOUS CHEMICAL ACCORDING TO SAFE WORK AUSTRALIA AND WHS CRITERIA
CLASSIFIED AS DANGEROUS GOODS ACCORDING TO THE ADG CODE
POISON SCHEDULE: S6

Classification
Hazard categories:
Skin corrosion/irritation: Skin Corr. 1A
Serious eye damage/eye irritation: Eye Dam. 1

Hazard Statements:
Causes severe skin burns and eye damage.
Causes serious eye damage.

2.2. Label elements
Signal word: Danger
Pictograms:

Hazard statements
H314 Causes severe skin burns and eye damage.

Precautionary statements
P102 Keep out of reach of children.
## 2.3. Other hazards

According to Regulation (EC) No 1907/2006 (REACH) none of the substances, contained in this product are a PBT substance.

### 3.2. Mixtures

#### Chemical characterization

Mixture containing following substances with additives

<table>
<thead>
<tr>
<th>Hazardous components</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>1310-73-2 caustic soda, sodium hydroxide</td>
<td>30 - 60 %</td>
</tr>
<tr>
<td>215-185-5 Skin Corr. 1A; H314</td>
<td></td>
</tr>
<tr>
<td>6834-92-0 disodium metasilicate</td>
<td>10 - 20 %</td>
</tr>
<tr>
<td>229-912-9 Skin Corr. 1B, STOT SE 3; H314 H335</td>
<td></td>
</tr>
<tr>
<td>497-19-8 sodium carbonate</td>
<td>10 - 20 %</td>
</tr>
<tr>
<td>207-838-8 Eye Irrit. 2A; H319</td>
<td></td>
</tr>
<tr>
<td>111190-40-0 Fatty alcohol alkoxylate</td>
<td>&lt; 5 %</td>
</tr>
<tr>
<td>non hazardous ingredients</td>
<td>&lt; 10 %</td>
</tr>
</tbody>
</table>

Full text of H and AUH phrases: see section 16.

## 4.1. Description of first aid measures

### General information

If you feel unwell, seek medical advice.

### After inhalation

Take affected person into fresh air.
In the event of symptoms refer for medical treatment.

### After contact with skin

Wash off immediately with plenty of water for at least 15 minutes.
Remove contaminated soaked clothing immediately.
Consult a physician.
After contact with eyes
Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.
Consult (eye) doctor immediately.

After ingestion
Rinse out mouth and give plenty of water to drink.
Do not induce vomiting.
Summon a doctor immediately.

4.2. Most important symptoms and effects, both acute and delayed
Causes severe skin burns and eye damage.

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

SECTION 5: Firefighting measures

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

Unsuitable extinguishing media
No information available.

5.2. Special hazards arising from the substance or mixture
Water forms corrosive alkaline solutions.
Fire may produce: toxic gases/vapours, fumes.

5.3. Advice for firefighters
Wear self-contained breathing apparatus and protective suit.
HAZCHEM: 2X

Additional information
Fire residues and contaminated firefighting water must be disposed of in accordance with the local regulations.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures
Use personal protective clothing.
Keep away noninvolved persons.
Avoid contact with skin, eyes and clothing.

6.2. Environmental precautions
Do not discharge into the drains/surface waters/ground water.

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

6.4. Reference to other sections
Observe protective instructions (see Sections 7 and 8).
Information for disposal see section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling
Advice on safe handling
Avoid the formation of dust.
Avoid contact with eyes, skin or mucous membrane.
Advice on protection against fire and explosion

No information available.

7.2 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.

7.3 Specific end use(s)

Cleaning agent
For professional users only

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational Exposure Limits (OEL) - Australia

<table>
<thead>
<tr>
<th>CAS No</th>
<th>Substance</th>
<th>ppm</th>
<th>mg/m³</th>
<th>Category</th>
<th>Origin</th>
<th>Notices</th>
</tr>
</thead>
<tbody>
<tr>
<td>1310-73-2</td>
<td>Sodium hydroxide</td>
<td>-</td>
<td>2</td>
<td>TWA (8h) AES</td>
<td>H</td>
<td></td>
</tr>
</tbody>
</table>

AES: Australian Exposure Standard
H: American Conference of Governmental Industrial Hygienists (ACGIH) is the documentation source.

Exposure limits (EH40)

<table>
<thead>
<tr>
<th>CAS No</th>
<th>Substance</th>
<th>ppm</th>
<th>mg/m³</th>
<th>fibres/ml</th>
<th>Category</th>
<th>Origin</th>
</tr>
</thead>
<tbody>
<tr>
<td>1310-73-2</td>
<td>Sodium hydroxide</td>
<td>-</td>
<td>-</td>
<td></td>
<td>TWA (8h) WEL</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>-</td>
<td>2</td>
<td></td>
<td>STEL (15 min) WEL</td>
<td></td>
</tr>
</tbody>
</table>

8.2 Exposure controls

Appropriate engineering controls
Provide appropriate exhaust ventilation at machinery and at places where dust can be generated.

Protective and hygiene measures
Avoid dust formation. Take off immediately all contaminated clothing.
Avoid contact with skin, eyes and clothing.
Wash hands before breaks and immediately after handling the product.
At work do not eat, drink, smoke or take drugs.

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

Hand protection
Gloves (alkali-resistant).
Permeation time of the glove material: < 1h.
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.

Skin protection
No information available.
Respiratory protection

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

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Characteristic</th>
<th>Test method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Odour</td>
<td></td>
</tr>
<tr>
<td>Colour</td>
<td>White</td>
</tr>
<tr>
<td>Physical state</td>
<td>Tablets, Solid</td>
</tr>
<tr>
<td>pH-Value</td>
<td>12.7 (1%)</td>
</tr>
</tbody>
</table>

Changes in the physical state

<table>
<thead>
<tr>
<th>Characteristic</th>
</tr>
</thead>
<tbody>
<tr>
<td>Melting point</td>
</tr>
<tr>
<td>Initial boiling point and boiling range</td>
</tr>
<tr>
<td>Flash point</td>
</tr>
<tr>
<td>Evaporation rate</td>
</tr>
<tr>
<td>Flammability</td>
</tr>
<tr>
<td>Lower explosion limits</td>
</tr>
<tr>
<td>Upper explosion limits</td>
</tr>
<tr>
<td>Vapour pressure</td>
</tr>
<tr>
<td>Vapour density</td>
</tr>
<tr>
<td>Density</td>
</tr>
<tr>
<td>Water solubility</td>
</tr>
<tr>
<td>Solubility in other solvents</td>
</tr>
<tr>
<td>Partition coefficient</td>
</tr>
<tr>
<td>Ignition temperature</td>
</tr>
<tr>
<td>Auto-ignition temperature</td>
</tr>
<tr>
<td>Explosive properties</td>
</tr>
<tr>
<td>Decomposition temperature</td>
</tr>
<tr>
<td>Viscosity / dynamic</td>
</tr>
<tr>
<td>Viscosity / kinematic</td>
</tr>
<tr>
<td>Oxidizing properties</td>
</tr>
</tbody>
</table>

9.2. Other information

No information available.

SECTION 10: Stability and reactivity

10.1. Reactivity

Stable under normal conditions.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No hazardous reaction when handled and stored according to provisions.

10.4. Conditions to avoid

Protect from moisture.
10.5. Incompatible materials
Acids.
Metals.

10.6. Hazardous decomposition products
Contact with acids liberates toxic gas.
Fire may produce: toxic gases/vapours, fumes.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity
Based on available data, the classification criteria are not met.

<table>
<thead>
<tr>
<th>CAS No</th>
<th>Chemical name</th>
<th>Exposure route</th>
<th>Method</th>
<th>Dose</th>
<th>Species</th>
<th>Source</th>
</tr>
</thead>
<tbody>
<tr>
<td>1310-73-2</td>
<td>caustic soda, sodium hydroxide</td>
<td>oral</td>
<td>LD50</td>
<td>2000 mg/kg</td>
<td>Rat</td>
<td></td>
</tr>
<tr>
<td>6834-92-0</td>
<td>disodium metasilicate</td>
<td>oral</td>
<td>LD50</td>
<td>1280 mg/kg</td>
<td>Rat</td>
<td></td>
</tr>
<tr>
<td>497-19-8</td>
<td>sodium carbonate</td>
<td>oral</td>
<td>LD50</td>
<td>&gt; 4900 mg/kg</td>
<td>Rat</td>
<td></td>
</tr>
<tr>
<td>111190-40-0</td>
<td>Fatty alcohol alkoxylate</td>
<td>oral</td>
<td>LD50</td>
<td>3180 mg/kg</td>
<td>Rat</td>
<td></td>
</tr>
</tbody>
</table>

Irritation and corrosivity
Causes severe skin burns and eye damage.

Sensitising effects
Based on available data, the classification criteria are not met.

STOT-single exposure
Based on available data, the classification criteria are not met.

Severe effects after repeated or prolonged exposure
Based on available data, the classification criteria are not met.

Carcinogenic/mutagenic/toxic effects for reproduction
Based on available data, the classification criteria are not met.

Aspiration hazard
Based on available data, the classification criteria are not met.

SECTION 12: Ecological information

12.1. Toxicity
The product has not been tested.
According to the Model WHS Regulations and the ADG code

Class: CORROSIVE SOLID, BASIC, INORGANIC, N.O.S. (caustic soda, sodium hydroxide, Disodium metasilicate)

12.2. Persistence and degradability
Product is biodegradable.

12.3. Bioaccumulative potential
No data available.

12.4. Mobility in soil
The product is soluble in water.

12.5. Results of PBT and vPvB assessment
According to Regulation (EC) No 1907/2006 (REACH) none of the substances, contained in this product are a PBT substance.

12.6. Other adverse effects
Low hazard to waters.

SECTION 13: Disposal considerations

13.1. 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. Packaging that cannot be cleaned should be disposed of like the product. National and local regulations concerning chemicals shall be observed.

SECTION 14: Transport information

14.1. UN number: UN 3262
14.2. UN proper shipping name: CORROSIVE SOLID, BASIC, INORGANIC, N.O.S. (caustic soda, sodium hydroxide, Disodium metasilicate)
According to the Model WHS Regulations and the ADG code

<table>
<thead>
<tr>
<th>14.3. Transport hazard class(es):</th>
<th>8</th>
</tr>
</thead>
<tbody>
<tr>
<td>14.4. Packing group:</td>
<td>II</td>
</tr>
<tr>
<td>Hazard label:</td>
<td>8</td>
</tr>
<tr>
<td>Special Provisions:</td>
<td></td>
</tr>
<tr>
<td>Limited quantity:</td>
<td>1 kg</td>
</tr>
<tr>
<td>Hazard No:</td>
<td>80</td>
</tr>
<tr>
<td>Other applicable information (land transport)</td>
<td></td>
</tr>
<tr>
<td>HAZCHEM: 2X</td>
<td></td>
</tr>
</tbody>
</table>

**Marine transport (IMDG)**

<table>
<thead>
<tr>
<th>14.1. UN number:</th>
<th>UN 3262</th>
</tr>
</thead>
<tbody>
<tr>
<td>14.2. UN proper shipping name:</td>
<td>CORROSIVE SOLID, BASIC, INORGANIC, N.O.S. (sodium hydroxide, disodium metasilicate)</td>
</tr>
<tr>
<td>14.3. Transport hazard class(es):</td>
<td>8</td>
</tr>
<tr>
<td>14.4. Packing group:</td>
<td>II</td>
</tr>
<tr>
<td>Hazard label:</td>
<td>8</td>
</tr>
<tr>
<td>Limited quantity:</td>
<td>1 kg</td>
</tr>
<tr>
<td>EmS:</td>
<td>F-A, S-B</td>
</tr>
</tbody>
</table>

**Air transport (ICAO-TI/IATA-DGR)**

<table>
<thead>
<tr>
<th>14.1. UN number:</th>
<th>UN 3262</th>
</tr>
</thead>
<tbody>
<tr>
<td>14.2. UN proper shipping name:</td>
<td>CORROSIVE SOLID, BASIC, INORGANIC, N.O.S. (sodium hydroxide, disodium metasilicate)</td>
</tr>
<tr>
<td>14.3. Transport hazard class(es):</td>
<td>8</td>
</tr>
<tr>
<td>14.4. Packing group:</td>
<td>II</td>
</tr>
<tr>
<td>Hazard label:</td>
<td>8</td>
</tr>
<tr>
<td>Limited quantity Passenger:</td>
<td>5 kg</td>
</tr>
<tr>
<td>IATA-packing instructions - Passenger:</td>
<td>859</td>
</tr>
<tr>
<td>IATA-max. quantity - Passenger:</td>
<td>15 kg</td>
</tr>
<tr>
<td>IATA-packing instructions - Cargo:</td>
<td>863</td>
</tr>
<tr>
<td>IATA-max. quantity - Cargo:</td>
<td>50 kg</td>
</tr>
</tbody>
</table>

**14.5. Environmental hazards**

ENVIRONMENTALLY HAZARDOUS: no

**14.6. Special precautions for user**

Take the usual precautions when handling with chemicals.

**14.7. Transport in bulk according to Annex II of Marpol and the IBC Code**

The transport takes place only in approved and appropriate packaging.

**SECTION 15: Regulatory information**

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

<table>
<thead>
<tr>
<th>EU regulatory information</th>
</tr>
</thead>
<tbody>
<tr>
<td>1999/13/EC (VOC):</td>
</tr>
</tbody>
</table>

**National regulatory information**

Water contaminating class (D): 1 - slightly water contaminating

**Additional information**

Poison Schedule: S6

Labelling requirements for SUSMP do not apply to a poison that is packed and sold solely for industrial,
15.2. Chemical safety assessment

Chemical safety assessments for substances in this mixture were not carried out.

SECTION 16: Other information

Changes

Changes in chapter: -

Abbreviations and acronyms

- ADG = Australian Code for the Transport of Dangerous Goods by Road & Rail
- IMDG = International Maritime Code for Dangerous Goods
- IATA/ICAO = International Air Transport Association / International Civil Aviation Organization
- MARPOL = International Convention for the Prevention of Pollution from Ships
- IBC-Code = International Code for the Construction and Equipment of Ships Carrying Dangerous Chemicals in Bulk
- HAZCHEM = HAZardous CHEMicals
- WHS = Work Health and Safety
- NOHSC = National Occupational Health and Safety Commission (Australia)
- GHS = Globally Harmonized System of Classification and Labelling of Chemicals
- REACH = Registration, Evaluation, Authorization and Restriction of Chemicals
- CAS = Chemical Abstract Service
- EN = European norm
- ISO = International Organization for Standardization
- DIN = Deutsche Industrie Norm
- PBT = Persistent Bioaccumulative and Toxic
- vPvB = Very Persistent and very Bio-accumulative
- LD = Lethal dose
- LC = Lethal concentration
- EC = Effect concentration
- IC = Median immobilisation concentration or median inhibitory concentration

Relevant H and AUH statements (number and full text)

- H314 Causes severe skin burns and eye damage.
- H318 Causes serious eye damage.
- H319 Causes serious eye irritation.
- H335 May cause respiratory irritation.
- H400 Very toxic to aquatic life.
- H411 Toxic to aquatic life with long lasting effects.

Further Information

Data of items 4 to 8, as well as 10 to 12, do partly not refer to the use and the regular employing of the product (in this sense consult information on use and on product), but to liberation 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.

(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor’s safety data sheet.)