

**Safety Data Sheet**

according to WHMIS

**Cleaner Tab for RATIONAL SelfCookingCenter®**

Print date: 03.02.2016

Product code: 00625-0031\_US\_GHS

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

Cleaner Tab for RATIONAL SelfCookingCenter®, Art.-no. 56.00.206A, 56.00.210A, 56.00.220A

**Relevant identified uses of the substance or mixture and uses advised against****Use of the substance/mixture**

Cleaning agent for professional users only

**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](mailto:reinigung@rational-online.de)  
**Emergency telephone:** In North America contact Info Trac at 1-800-535-5053  
outside USA/CA contact +49 89 19240

**SECTION 2: Hazards identification****Classification of the substance or mixture****Regulation (EC) No. 1272/2008**

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.

**Label elements****Regulation (EC) No. 1272/2008****Signal word:** Danger**Pictograms:****Hazard statements**

Causes severe skin burns and eye damage.

**Precautionary statements**

Keep out of reach of children.

If medical advice is needed, have product container or label at hand.

Wear protective gloves/protective clothing/eye protection/face protection.

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.

Continue rinsing.

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

Immediately call a POISON CENTER/doctor.

Dispose of contents/container to hazardous or special waste collection point.

**Other hazards**

No data available.

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

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**Chemical characterization**

Mixture containing following substances with additives :

**Hazardous components**

| CAS No     | Chemical name                  | Quantity    |
|------------|--------------------------------|-------------|
| 1310-73-2  | caustic soda, sodium hydroxide | 30 - < 50 % |
| 6834-92-0  | Disodium metasilicate          | 10 - < 20 % |
| 497-19-8   | Sodium carbonate               | 10 - < 20 % |
| 68154-99-4 | Fatty alcohol alcoxylate       | 1 - < 5 %   |

**SECTION 4: First aid measures****Description of first aid measures****General information**

If you feel unwell, seek medical advice.

**After inhalation**

Move to fresh air in case of accidental inhalation of dusts.

Wash mouth and nasal passages with water.

**After contact with skin**

In case of contact with skin wash off immediately with soap and water.

Remove contaminated soaked clothing immediately.

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.

Consult (eye) doctor immediately.

**After ingestion**

Rinse out mouth and give plenty of water to drink.

Summon a doctor immediately.

Do not induce vomiting.

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

No data available.

**SECTION 5: Firefighting measures****Extinguishing media****Suitable extinguishing media**

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

**Unsuitable extinguishing media**

None

**Special hazards arising from the substance or mixture**

Water forms corrosive alkaline solutions.

**Advice for firefighters**

Wear self-contained breathing apparatus and protective suit.

**Additional information**

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**

Use personal protective clothing.

Keep people away and stay on the upwind side.

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Avoid contact with skin, eyes and 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**

Information for disposal look up chapter 13.

**SECTION 7: Handling and storage****Precautions for safe handling****Advice on safe handling**

No special handling advice required.

**Advice on protection against fire and explosion**

No special protective measures against fire required.

**Conditions for safe storage, including any incompatibilities****Requirements for storage rooms and vessels**

Keep in closed original container.

**Advice on storage compatibility**

Keep away from food, drink and animal feeding stuffs.

Do not store with acids.

Protect from moisture.

**SECTION 8: Exposure controls/personal protection****Control parameters****Additional advice on limit values**

Does not contain substances above concentration limits fixing an occupational exposure limit.

**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**

Eye wash bottle with pure water.

Tightly fitting goggles.

**Hand protection**

Protective gloves

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

The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances.

Breakthrough time (maximal wear duration):

Wear duration with occasional contact, splashes (Level 2: < 30 min): Disposable-gloves, Thickness of the glove material 0,1 mm

Wear duration with permanent contact (Level 6: < 480 min): Protective gloves, Thickness of the glove material 0,7 mm.

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Breakthrough times and swelling properties of the material must be taken into consideration.

### Skin protection

Light protective clothing

### Respiratory protection

No personal respiratory protective equipment normally required.

Breathing apparatus (particle filter) only if dust is formed.

## SECTION 9: Physical and chemical properties

### Information on basic physical and chemical properties

|                 |                |
|-----------------|----------------|
| Physical state: | Tablet         |
| Colour:         | White          |
| Odour:          | Characteristic |

### Test method

|           |              |
|-----------|--------------|
| pH-Value: | approx. 12,7 |
|-----------|--------------|

### Changes in the physical state

|                                          |      |
|------------------------------------------|------|
| Initial boiling point and boiling range: | n.a. |
|------------------------------------------|------|

|              |      |
|--------------|------|
| Flash point: | n.a. |
|--------------|------|

|                         |      |
|-------------------------|------|
| Lower explosion limits: | n.a. |
|-------------------------|------|

|                         |      |
|-------------------------|------|
| Upper explosion limits: | n.a. |
|-------------------------|------|

|                       |      |
|-----------------------|------|
| Ignition temperature: | n.a. |
|-----------------------|------|

### Oxidizing properties

Non oxidizing.

|                  |      |
|------------------|------|
| Vapour pressure: | n.a. |
|------------------|------|

|          |            |
|----------|------------|
| Density: | 1100 g/cm³ |
|----------|------------|

|                                 |         |
|---------------------------------|---------|
| Water solubility:<br>(at 20 °C) | Soluble |
|---------------------------------|---------|

|                        |       |
|------------------------|-------|
| Partition coefficient: | n. d. |
|------------------------|-------|

|                      |      |
|----------------------|------|
| Viscosity / dynamic: | n.a. |
|----------------------|------|

### Other information

No data available.

## SECTION 10: Stability and reactivity

### Conditions to avoid

Protect from moisture.

### Incompatible materials

Exothermic reaction with: Acids.

### Hazardous decomposition products

Develops poisonous gases in contact with acids.

## SECTION 11: Toxicological information

### Information on toxicological effects

#### Acute toxicity

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

Classification relevant LD/LC 50 values:

LD50/oral/rat: 600 - 1350 mg/kg (Disodium metasilicate )

LD50/oral/rat: 2000 mg/kg (caustic soda, sodium hydroxide)

LD50/oral/rat: &gt; 2000 mg/kg (Fatty alcohol alcoxylate)

LD50/oral/rat: &gt; 4900 mg/kg (Sodium carbonate)

| CAS No     | Chemical name            |        |              |         |        |
|------------|--------------------------|--------|--------------|---------|--------|
|            | Exposure routes          | Method | Dose         | Species | Source |
| 497-19-8   | Sodium carbonate         |        |              |         |        |
|            | oral                     | LD50   | 4090 mg/kg   | Ratte   | IUCLID |
| 68154-99-4 | Fatty alcohol alcoxylate |        |              |         |        |
|            | oral                     | LD50   | > 2000 mg/kg | Rat     |        |

### Irritation and corrosivity

Causes severe skin burns and eye damage.

Causes severe burns.

Irritates respiratory tract.

Danger of perforation of the gullet and of the stomach.

### Sensitizing 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

### Toxicity

Disodium metasilicate

LC50/Brachydanio rerio/96 h = 3185 mg/l

EC50/Daphnia magna/48 h = 4857 mg/l

Sodium carbonate

LC50/Lepomis macrochirus/96 h = 300 mg/l

Fatty alcohol alcoxylate

LC50/Leuciscus idus/96 h = 0,1 - 1 mg/l

EC50/Waterplants/72 h = 0,1 - 1 mg/l

### Persistence and degradability

No data available.

### Bioaccumulative potential

No data available.

### Mobility in soil

No data available.

### Other adverse effects

No data available.

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### SECTION 13: Disposal considerations

#### Waste treatment methods

##### Advice on disposal

Remove in accordance with local official regulations.

##### Contaminated packaging

Contaminated packaging should be emptied as far as possible and after appropriate cleansing may be taken for reuse.

### SECTION 14: Transport information

#### Canadian TDG

|                                     |                                                                                                   |
|-------------------------------------|---------------------------------------------------------------------------------------------------|
| <b><u>UN/ID number:</u></b>         | UN3262                                                                                            |
| <b><u>Proper shipping name:</u></b> | CORROSIVE SOLID, BASIC, INORGANIC, N.O.S. (caustic soda, sodium hydroxide, Disodium metasilicate) |
| <b><u>Hazard classes:</u></b>       | 8                                                                                                 |
| <b><u>Packing group:</u></b>        | II                                                                                                |
| Hazard label:                       | 8                                                                                                 |

#### Marine transport (IMDG)

|                                           |                                                                                     |
|-------------------------------------------|-------------------------------------------------------------------------------------|
| <b><u>UN number:</u></b>                  | UN3262                                                                              |
| <b><u>UN proper shipping name:</u></b>    | CORROSIVE SOLID, BASIC, INORGANIC, N.O.S. (sodium hydroxide, disodium metasilicate) |
| <b><u>Transport hazard class(es):</u></b> | 8                                                                                   |
| <b><u>Packing group:</u></b>              | II                                                                                  |
| Hazard label:                             | 8                                                                                   |



|                   |          |
|-------------------|----------|
| Limited quantity: | 1 kg     |
| EmS:              | F-A, S-B |

#### Air transport (ICAO)

|                                           |                                                                                     |
|-------------------------------------------|-------------------------------------------------------------------------------------|
| <b><u>UN number:</u></b>                  | UN3262                                                                              |
| <b><u>UN proper shipping name:</u></b>    | CORROSIVE SOLID, BASIC, INORGANIC, N.O.S. (sodium hydroxide, disodium metasilicate) |
| <b><u>Transport hazard class(es):</u></b> | 8                                                                                   |
| <b><u>Packing group:</u></b>              | II                                                                                  |
| Hazard label:                             | 8                                                                                   |



|                                        |      |       |
|----------------------------------------|------|-------|
| Limited quantity Passenger:            | 5 kg |       |
| IATA-packing instructions - Passenger: |      | 814   |
| IATA-max. quantity - Passenger:        |      | 15 kg |
| IATA-packing instructions - Cargo:     |      | 816   |
| IATA-max. quantity - Cargo:            |      | 50 kg |

#### Environmental hazards

|                            |    |
|----------------------------|----|
| ENVIRONMENTALLY HAZARDOUS: | no |
|----------------------------|----|

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**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: E

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.

**SECTION 16: Other information****Changes**

Changes in chapter:

**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)

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