

# SAFETY DATA SHEET

According regulation (EC) No. 1907/2006

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Compilation date: 04.07.2011

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Revision No: 6

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

### 1.1. Product identifier

**Product name:** CARE-TAB for RATIONAL SelfCookingCenter<sup>®</sup>, Art.-No. 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 SelfCookingCenter for professional users

### 1.3. Details of the supplier of the safety data sheet

**Company name:** Rational AG

Iglinger Strasse 62

D - 86899 Landsberg

Germany

**Tel:** +49 (0)8191 - 3270

**Fax:** +49 (0)8191 - 21735

**Email:** reinigung@rational-online.de



### 1.4. Emergency telephone number

**Emergency tel:** +49 (0)89 - 19240

(24 hours Giftnotruf München)

## Section 2: Hazards identification

### 2.1. Classification of the substance or mixture

**Classification under CLP:** Eye Irrit. 2: H319; Skin Irrit. 2: H315

**Classification under CHIP:** Xi: R36/38

**Most important adverse effects:** Causes skin irritation. Causes serious eye irritation.

### \*2.2. Label elements

**Label elements under CLP:**

**Hazard statements:** H315: Causes skin irritation.

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 protective gloves.

[cont...]

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P302+352: IF ON SKIN: Wash with plenty of soap and water.

P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P308+313: IF exposed or concerned: Get medical advice/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:

CITRIC ACID - REACH registered number(s): 01-2119457026-42-0000

EINECS	CAS	CLP Classification	Percent
201-069-1	77-92-9	Eye Irrit. 2: H319	>20%

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

210-514-9	617-48-1	Eye Irrit. 2: H319; Skin Irrit. 2: H315	>20%
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ADIPIC ACID - REACH registered number(s): 01-2119457561-38-0000

204-673-3	124-04-9	Eye Irrit. 2: H319	1-5%
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## 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

## Section 5: Fire-fighting measures

[cont...]

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## 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 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)

## Section 8: Exposure controls/personal protection

### 8.1. Control parameters

**Workplace exposure limits:** Not applicable.

### 8.2. Exposure controls

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

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

**Hand protection:** Protective gloves.

**Eye protection:** Safety glasses.

**Skin protection:** Not applicable.

**Environmental:** No special requirement.

[cont...]

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## 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/range°C:** n.a.

**Melting point/range°C:** n.a.

**Flammability limits %: lower:** n.a.

**upper:** n.a.

**Flash point°C:** n.a.

**Part.coeff. n-octanol/water:** n.a.

**Autoflammability°C:** n.a.

**Vapour pressure:** n.a.

**Relative density:** 800 g/l

**pH:** 2.5 (1%ig)

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

### 9.2. Other information

**Other information:** Not applicable.

## 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

[cont...]

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## Toxicity values:

Route	Species	Test	Value	Units
Malic acid: ORL	RAT	LD50	3200	mg/kg
Citric acid: ORL	RAT	LD50	5790	mg/kg
Adipic acid: ORL	RAT	LD50	5560	mg/kg

## 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.

## Section 12: Ecological information

### 12.1. Toxicity

#### Ecotoxicity values:

Species	Test	Value	Units
Citric acid: Leuciscus idus	96H LC50	440-760	mg/l
Daphnia magna	72H EC50	~120	mg/l
Adipic acid: Daphnia magna	48H LC50	46	mg/l
Pimephales promelas	96H LC50	88-97	mg/l

### 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 substance is not identified as a PBT 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.

[cont...]

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**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

### 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

**Section 9:** n.a. not applicable, n.d. not determined

**Phrases used in s.2 and 3:** H315: Causes skin irritation.

H319: Causes serious eye irritation.

R36/38: Irritating to eyes and skin.

**Legal disclaimer:** The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.