

SAFETY DATA SHEET

According regulation (EC) No. 1907/2006

Page: 1

Compilation date: 04.07.2011

Revision date: 14.02.2017

Revision No: 6.2

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

1.1. Product identifier

Product name: Rational Cleaner Tablets for Self Cooking Centre (RED) 33-462

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

Use of substance / mixture: Care-Tab for SelfCooking Center 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

(24 hours Giftnotruf München "Klinikum rechts der Isar")

NPIS: +44 870 600 62666

National poison information service (UK)

Section 2: Hazards identification

2.1. Classification of the substance or mixture

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

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.

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

[cont...]

SAFETY DATA SHEET

Rational Cleaner Tablets for Self Cooking
Centre (RED)

Page: 2

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

EINECS	CAS	CLP Classification	Percent
210-514-9	617-48-1	Eye Irrit. 2: H319; Skin Irrit. 2: H315	>20%

ADIPIIC ACID - REACH registered number(s): 01-2119457561-38-0000

EINECS	CAS	CLP Classification	Percent
204-673-3	124-04-9	Eye Irrit. 2: H319	1-5%

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

5.1. Extinguishing media

Extinguishing media: Suitable extinguishing media for the surrounding fire should be used.

[cont...]

SAFETY DATA SHEET

Rational Cleaner Tablets for Self Cooking
Centre (RED)

Page: 3

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.
Storage class: 13 (Non-combustible solids)

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: No data available.

8.2. Exposure controls

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

Respiratory protection: Respiratory protection not required.

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

Eye protection: Safety glasses.

Skin protection: Not applicable.

Environmental: No special requirement.

Section 9: Physical and chemical properties

[cont...]

SAFETY DATA SHEET

Rational Cleaner Tablets for Self Cooking
Centre (RED)

Page: 4

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: Not applicable.	Melting point/range°C: Not applicable.
Flammability limits %: lower: Not applicable.	upper: Not applicable.
Flash point°C: Not applicable.	Part.coeff. n-octanol/water: No data available.
Autoflammability°C: Not applicable.	Vapour pressure: Not applicable.
Relative density: 800 g/l	pH: 2.5 (1%ig)
VOC g/l: <3%	

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

[cont...]

SAFETY DATA SHEET

Rational Cleaner Tablets for Self Cooking
Centre (RED)

Page: 5

Hazardous ingredients:

CITRIC ACID

ORL	RAT	LD50	5790	mg/kg
-----	-----	------	------	-------

MALIC ACID

ORL	RAT	LD50	3200	mg/kg
-----	-----	------	------	-------

ADIPIIC ACID

ORL	RAT	LD50	5560	mg/kg
-----	-----	------	------	-------

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 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

Hazardous ingredients:

CITRIC ACID

Daphnia magna	72H EC50	~120	mg/l
Leuciscus idus	96H LC50	440-706	mg/l

ADIPIIC 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.

[cont...]

SAFETY DATA SHEET

Rational Cleaner Tablets for Self Cooking
Centre (RED)

Page: 6

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.

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

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

H319: Causes serious eye irritation.

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.