

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH)  
with its amendment Regulation (EU) 2015/830

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Revision date: 19.03.2020

Revision No: 3.11

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

### 1.1. Product identifier

\*Product name: Cleaner Tab Active Green; Art.-No. 56.01.535, 56.01.628, 56.01.535C

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

Use of substance / mixture: Cleaner for professional users

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

Company name: RATIONAL AG  
Siegfried-Meister-Straße 1  
86899 Landsberg am Lech  
Germany



Tel: +49 8191 327-2563

Fax: +49 8191 327-72 2563

Email: [reinigung@rational-online.com](mailto:reinigung@rational-online.com)

### 1.4. Emergency telephone number

Emergency tel: SOS Emergency CONTACT (24-Hour-Hotline):  
+49 6132 844 63

NPIS: 0870 600 62666  
National poison information service (UK)

## Section 2: Hazards identification

### 2.1. Classification of the substance or mixture

Classification under CLP: Skin Corr. 1A: H314; Met. Corr. 1: H290

Most important adverse effects: Causes severe skin burns and eye damage. May be corrosive to metals.

### 2.2. Label elements

#### Label elements:

Hazard statements: H314: Causes severe skin burns and eye damage.

H290: May be corrosive to metals.

Hazard pictograms: GHS05: Corrosion



Signal words: Danger

Hazard components for labelling: sodium hydroxide, disodium metasilicate

Precautionary statements: P101: If medical advice is needed, have product container or label at hand.

P280: Wear protective gloves/eye protection/face protection.

P301+P330+P331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting

P303+P361+P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing.

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Rinse skin with water [or shower].

P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P310: Immediately call a POISON CENTER/doctor.

P501: Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

## 2.3. Other hazards

**PBT:** This product is not identified as a PBT/vPvB substance.

## Section 3: Composition/information on ingredients

### \*3.2. Mixtures

#### Hazardous ingredients:

SODIUM HYDROXIDE - REACH registered number(s): 01-2119457892-27-0000

EINECS	CAS	SCL	CLP Classification	Percent
215-185-5	1310-73-2	-	Skin Corr. 1A: H314	50-80%

SODIUM CARBONATE - REACH registered number(s): 01-2119485498-19-0000

207-838-8	497-19-8	-	Eye Irrit. 2: H319	5-10%
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DISODIUM METASILICATE - REACH registered number(s): 01-2119449811-37-0000

229-912-9	6834-92-0	-	Skin Corr. 1B: H314; STOT SE 3: H335	1-10%
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## Section 4: First aid measures

### 4.1. Description of first aid measures

**Skin contact:** Drench the affected skin with running water for 10 minutes or longer if substance is still on skin. Transfer to hospital if there are burns or symptoms of poisoning.

**Eye contact:** Bathe the eye with running water for 15 minutes. Transfer to hospital for specialist examination.

**Ingestion:** Wash out mouth with water. If conscious, give half a litre of water to drink immediately. Do not induce vomiting. Consult a doctor.

**Inhalation:** Move to fresh air in case of accidental inhalation of vapours.

### 4.2. Most important symptoms and effects, both acute and delayed

**Skin contact:** Irritation or pain may occur at the site of contact.

**Eye contact:** Corneal burns may occur. May cause permanent damage.

**Ingestion:** Corrosive burns may appear around the lips. Nausea and stomach pain may occur.

**Inhalation:** Not applicable.

**Delayed / immediate effects:** Immediate effects can be expected after long-term exposure.

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

**Immediate / special treatment:** Show this safety data sheet to the doctor in attendance.

## Section 5: Fire-fighting measures

### 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:** Corrosive.

### 5.3. Advice for fire-fighters

**Advice for fire-fighters:** Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

## Section 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

**Personal precautions:** Do not attempt to take action without suitable protective clothing - see section 8 of SDS.

### 6.2. Environmental precautions

**Environmental precautions:** Do not discharge into drains or rivers.

### 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. Refer to section 13 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:** Keep container tightly closed. Avoid contact with water or humidity. Storage class: 8B (Non-combustible corrosive substances)

**Suitable packaging:** Must only be kept in original packaging.

### 7.3. Specific end use(s)

**Specific end use(s):** PC35: Washing and cleaning products (including solvent based products).

## Section 8: Exposure controls/personal protection

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## 8.1. Control parameters

**Hazardous ingredients:**

**SODIUM HYDROXIDE**

**Workplace exposure limits:**

**Respirable dust**

State	8 hour TWA	15 min. STEL	8 hour TWA	15 min. STEL
UK	-	2 mg/m <sup>3</sup>	-	-

## DNEL/PNEC Values

**\*Hazardous ingredients:**

**SODIUM HYDROXIDE**

Type	Exposure	Value	Population	Effect
DNEL	Inhalation (repeated dose)	1,0 mg/m <sup>3</sup>	Workers	Local
DNEL	Dermal	2%	Workers	Local

**SODIUM CARBONATE**

Type	Exposure	Value	Population	Effect
DNEL	Inhalation	10 mg/m <sup>3</sup>	Workers	-

**DISODIUM METASILICATE**

Type	Exposure	Value	Population	Effect
DNEL	Dermal	1,49 mg/kg	Workers	Systemic
DNEL	Inhalation	6,22 mg/m <sup>3</sup>	Workers	Systemic
DNEL	Dermal	0,74 mg/kg	Population	Systemic
DNEL	Inhalation	1,55 mg/m <sup>3</sup>	Population	Systemic
DNEL	Oral	0,74 mg/kg	Population	Systemic
PNEC	Fresh water	7,5 mg/l	-	-

## 8.2. Exposure controls

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

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

**Hand protection:** Gloves (alkali-resistant). Breakthrough time of the glove material < 1 hour. Wear chemical-resistant disposable protective gloves according to EN 374.

**Eye protection:** Tightly fitting safety goggles. according to EN 166:2001.

**Skin protection:** Not applicable.

**Environmental:** No special requirement.

## Section 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

**State:** Solid

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**Colour:** White

**Odour:** Odourless

**Evaporation rate:** Not applicable.

**Oxidising:** Non-oxidising (by EC criteria)

**Solubility in water:** Soluble

**Viscosity:** Not applicable.

**Boiling point/range°C:** Not applicable.

**Melting point/range°C:** No data available.

**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:** No data available.

**pH:** 12.5 (1%)

**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.

### 10.4. Conditions to avoid

**Conditions to avoid:** Humidity.

### 10.5. Incompatible materials

**Materials to avoid:** Acids. Metals.

### 10.6. Hazardous decomposition products

**Haz. decomp. products:** No data available.

## Section 11: Toxicological information

### 11.1. Information on toxicological effects

**\*Hazardous ingredients:**

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## SODIUM HYDROXIDE

IPR	MUS	LD50	40	mg/kg
ORL	RBT	LDLO	500	mg/kg

## SODIUM CARBONATE

ORL	MUS	LD50	6600	mg/kg
ORL	RAT	LD50	4090	mg/kg
SCU	MUS	LD50	2210	mg/kg

## DISODIUM METASILICATE

ORL	MUS	LD50	770	mg/kg
ORL	RAT	LD50	1153	mg/kg

**Toxicity values:** No data available.

### Symptoms / routes of exposure

**Skin contact:** Irritation or pain may occur at the site of contact.

**Eye contact:** Corneal burns may occur. May cause permanent damage.

**Ingestion:** Corrosive burns may appear around the lips. Nausea and stomach pain may occur.

**Inhalation:** Not applicable.

**Delayed / immediate effects:** Immediate effects can be expected after long-term exposure.

**Other information:** Not applicable.

## Section 12: Ecological information

### 12.1. Toxicity

**\*Hazardous ingredients:**

#### SODIUM HYDROXIDE

Daphnia magna	24H EC50	76	mg/l
Gambusia affinis	96H LC50	125	mg/l

#### SODIUM CARBONATE

Freshwater Invertebrates	48H EC50	200-227	mg/l
Lepomis macrochirus	96H LC50	300	mg/l

### 12.2. Persistence and degradability

**Persistence and degradability:** Biodegradable. according to OECD 301 B.

### 12.3. Bioaccumulative potential

**Bioaccumulative potential:** No data available.

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## 12.4. Mobility in soil

**Mobility:** No data available.

## 12.5. Results of PBT and vPvB assessment

**PBT identification:** This product is not identified as a PBT/vPvB substance.

## 12.6. Other adverse effects

**Other adverse effects:** No data available.

## Section 13: Disposal considerations

### 13.1. Waste treatment methods

**Disposal operations:** Transfer to a suitable container and arrange for collection by specialised disposal company.

**Recovery operations:** Not applicable.

**Waste code number:** 20 01 29

**Disposal of packaging:** Dispose of as normal industrial waste.

**NB:** The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

## Section 14: Transport information

### 14.1. UN number

**UN number:** UN1823

### 14.2. UN proper shipping name

**Shipping name:** SODIUM HYDROXIDE, SOLID  
Limited Quantity (LQ): 1kg

### 14.3. Transport hazard class(es)

**Transport class:** 8

### 14.4. Packing group

**Packing group:** II

### 14.5. Environmental hazards

**Environmentally hazardous:** No

**Marine pollutant:** No

### 14.6. Special precautions for user

**Special precautions:** No special precautions.

**Tunnel code:** E

**Transport category:** 2

## Section 15: Regulatory information

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

**Specific regulations:** Ingredients according to Regulation (EC) No 648/2004: <5% polycarboxylates, non-ionic surfactants.

## 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:** according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

\* indicates text in the SDS which has changed since the last revision.

Data references: Safety data sheets from our raw material suppliers

Department issuing MSDS: Product Development Department

**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 s.3:** H290: May be corrosive to metals.

H314: Causes severe skin burns and eye damage.

H319: Causes serious eye irritation.

H335: May cause respiratory irritation.

**Legal disclaimer:** The above information is believed to be correct. This company shall not be held liable for any damage resulting from handling or from contact with the above product.