



# SAFETY DATA SHEET

## GROHE Fresh Tabs

Material number 38882000

Revision date: 6/7/2017

Version: 2

Language: en-UN

Date of print: 10/12/2017

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### 1. Identification of the substance/mixture and of the company/undertaking

#### Product identifier

Trade name: GROHE Fresh Tabs

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

General use: toilet rim cleaners

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

Company name: Grohe AG  
Street/POB-No.: Industriepark Edelburg  
Postal Code, city: 58675 Hemer  
Germany  
WWW: www.grohe.com  
E-mail: info@grohe.com  
Telephone: +49 (0)2372 93-0  
Telefax: +49 (0)2372 93-1322  
Dept. responsible for information:  
Telephone: +49 (0)2372 93-2037  
sustainability@grohe.com

#### Emergency telephone number

GIZ-Nord, Göttingen, Germany,  
Telephone: +49 551-19240

### 2. Hazards identification

#### Classification of the substance or mixture

##### GHS classification

Skin Irritation 2 Causes skin irritation.  
Eye Irritation 2A Causes serious eye irritation.  
Aquatic toxicity - chronic 3 Harmful to aquatic life with long lasting effects.

Additional information Eye irritation: Classification by test result, HET-CAM-Test

#### Label elements



Signal word: **Warning**

Hazard statements: Causes skin irritation.  
Causes serious eye irritation.  
Harmful to aquatic life with long lasting effects.



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### Precautionary statements:

If medical advice is needed, have product container or label at hand.  
Keep out of reach of children.

Do not get in eyes, on skin, or on clothing.

Avoid release to the environment.

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

IF ON SKIN: Wash with plenty of water/soap.

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

Specific treatment (see ' First aid ' on this label).

If skin irritation occurs: Get medical advice/attention.

If eye irritation persists: Get medical advice/attention.

Take off contaminated clothing.

### Other hazards

Forms slippery surfaces with water.

## 3. Composition / information on ingredients

### Mixtures

#### Hazardous ingredients:

CAS No.	Designation	Content	Classification
CAS 68955-19-1	Sulfuric acid, mono-C12-18-alkyl esters, sodium salts	15 - 25 %	Skin Irritation 2. Eye Damage 1. Aquatic toxicity - chronic 3.
CAS 90622-77-8	Fatty acid amide	10 - 20 %	Skin Irritation 2. Eye Damage 1. Aquatic toxicity - chronic 2.
CAS 5329-14-6	Sulphamidic acid	5 - 15 %	Skin Irritation 2. Eye Irritation 2A. Aquatic toxicity - chronic 3.
CAS 497-19-8	Sodium carbonate	1 - 5 %	Eye Irritation 2A.

Additional information: Labeling for contents according to regulation (EC) No 648/2004, annex VII:  
15% - 30% anionic tenside

## 4. First aid measures

In case of inhalation: Provide fresh air. If you feel unwell, seek medical advice.

Following skin contact: After contact with skin, wash immediately with plenty of water. Change contaminated clothing.

In case of skin irritation, consult a physician.

After eye contact: Immediately flush eyes with plenty of flowing water for 10 to 15 minutes holding eyelids apart. Remove contact lenses. Subsequently consult an ophthalmologist.

After swallowing: Rinse mouth with water. Drink large quantities of water.  
Do not induce vomiting. Never give anything by mouth to an unconscious person.  
Seek medical attention.

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

Causes skin irritation. Causes serious eye irritation.



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

Treat symptomatically.

## 5. Firefighting measures

### Extinguishing media

Suitable extinguishing media:

Product is non-combustible. Extinguishing materials should therefore be selected according to surroundings.

Extinguishing media which must not be used for safety reasons:

Full water jet

### Special hazards arising from the substance or mixture

May form dangerous gases and vapours in case of fire.

### Advice for firefighters

Special protective equipment for firefighters:

Wear a self-contained breathing apparatus and chemical protective clothing.

Additional information:

Use a water fog to control vapors.

Do not allow fire water to penetrate into surface or ground water.

## 6. Accidental release measures

### Personal precautions, protective equipment and emergency procedures

Provide adequate ventilation. Wear appropriate protective equipment.

Avoid generation of dust. Do not breathe dust.

Avoid contact with skin and eyes.

Do not remove water-soluble protective foil.

### Environmental precautions

Do not allow to penetrate into soil, waterbodies or drains.

### Methods and material for containment and cleaning up

Collect dry and place in appropriate containers for disposal. Subsequent cleaning.

To clean the floor and all object contaminated by this material, use water.

Additional information:

Forms slippery surfaces with water.

## 7. Handling and storage

### Precautions for safe handling

Advices on safe handling: Provide adequate ventilation, and local exhaust as needed.

Wear appropriate protective equipment. Avoid contact with skin and eyes.

Avoid generation of dust. Do not breathe dust.

Do not remove water-soluble protective foil.

### Storage

Requirements for storerooms and containers:

Keep container tightly closed and dry. Keep only in the original container.

Hints on joint storage:

Keep away from food, drink and animal feedingstuffs.



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## 8. Exposure controls/personal protection

### Exposure controls

Provide good ventilation and/or an exhaust system in the work area.  
See also information in chapter 7, section storage.

### Personal protection equipment

#### Occupational exposure controls

Respiratory protection: In case of dust formation: Particulates filter P1 according to OSHA Standard - 29 CFR: 1910.134 or ANSI Z88.2.

Hand protection: Recommendation: Protective gloves according to OSHA Standard - 29 CFR: 1910.138  
Observe glove manufacturer's instructions concerning penetrability and breakthrough time.

Eye protection: Tightly sealed goggles according to OSHA Standard - 29 CFR: 1910.133 or ANSI Z87.1-2010.

Body protection: Recommendation: Wear suitable protective clothing.

General protection and hygiene measures:

Avoid contact with skin and eyes. When using do not eat or drink. Change contaminated clothing. Wash hands before breaks and after work. Have eye wash bottle or eye rinse ready at work place. Do not remove water-soluble protective foil.

## 9. Physical and chemical properties

### Information on basic physical and chemical properties

Appearance: Physical state at 20 °C and 101.3 kPa: solid  
Color: blue

Odour: fresh

Odour threshold: No data available

pH value: 7.5 (Component blue)  
2.5 (Descaler)

Melting point/freezing point: No data available

Initial boiling point and boiling range: No data available

Flash point/flash point range: Not applicable

Evaporation rate: No data available

Flammability: No data available

Explosion limits: No data available

Vapour pressure: No data available

Vapour density: No data available

Density: No data available

Water solubility: soluble

Partition coefficient: n-octanol/water: No data available

Auto-ignition temperature: No data available

Thermal decomposition: No data available

### Additional information

Viscosity: -

Oxidizing characteristics: not oxidising



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### 10. Stability and reactivity

- Reactivity: No data available
- Chemical stability: Stable under recommended storage conditions.
- Possibility of hazardous reactions: No hazardous reaction when handled and stored according to provisions.
- Conditions to avoid: No data available
- Incompatible materials: Strong oxidizing agents
- Hazardous decomposition products: May form dangerous gases and vapours in case of fire.
- Thermal decomposition: No data available

### 11. Toxicological information

#### Information on toxicological effects

- Toxicological effects: Acute toxicity (oral): Based on available data, the classification criteria are not met.  
ATEmix calculated: > 5000 mg/kg  
Acute toxicity (dermal): Based on available data, the classification criteria are not met.  
ATEmix calculated: > 2000 mg/kg  
Acute toxicity (inhalative): Lack of data.  
Skin corrosion/irritation: Skin Irritation 2 = Causes skin irritation.  
Eye damage/irritation: Eye Irritation 2A = Causes serious eye irritation. test result HET-CAM-Test  
Sensitisation to the respiratory tract: Lack of data.  
Skin sensitisation: Lack of data.  
Germ cell mutagenicity/Genotoxicity: Lack of data.  
Carcinogenicity: Lack of data.  
Reproductive toxicity: Lack of data.  
Effects on or via lactation: Lack of data.  
Specific target organ toxicity (single exposure): Lack of data.  
Specific target organ toxicity (repeated exposure): Lack of data.  
Aspiration hazard: Lack of data.
- Other information: Information about Sulfuric acid, mono-C12-18-alkyl esters, sodium salts:  
LD50 Rat, oral: 4010 mg/kg  
LD50 Rat, dermal: >2000 mg/kg (OECD 402, read across)  
Information about fatty acid amide (CAS No. 90622-77-8):  
LD50 Rat, oral: >2000 mg/kg (OECD 401, read across)  
LD50 Rabbit, dermal: >2000 mg/kg (read across)  
Information about Sulphamidic acid:  
LD50 Rat, dermal: >2000 mg/kg (OECD 402)



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### Symptoms

In case of ingestion:

Irritations of mucous membranes in the mouth, pharynx, oesophagus and gastrointestinal tract. Stomachache, vomiting

After contact with skin: Irritation, redness

After eye contact:

Eye contact may cause irritation, redness, tearing or blurry vision. Pain, irreversible damage to optic nerve

## 12. Ecological information

### Toxicity

Aquatic toxicity: Harmful to aquatic life with long lasting effects.

Information about Sulfuric acid, mono-C12-18-alkyl esters, sodium salts:

Fish toxicity: LC50 Brachydanio rerio (zebra-fish): 1.3 mg/L/96h (OECD 203)

Daphnia toxicity: EC50 Daphnia magna (Big water flea): 2.8 mg/L/48h (OECD 202)

Algae toxicity: EbC50 Scenedesmus subspicatus: 20 mg/L/72h

Information about fatty acid amide (CAS No. 90622-77-8):

Fish toxicity: LC50 Brachydanio rerio (zebra-fish): 31 mg/L/96h (OECD 203)

Daphnia toxicity: EC50 Daphnia magna (Big water flea): 37.5 mg/L/24h (OECD 202)

Algae toxicity: EbC50 Scenedesmus subspicatus: 1.1 mg/L/72h (OECD 201)

Information about Sulphamidic acid:

Fish toxicity: LC50 Pimephales promelas (fathead minnow): 70.3 mg/L/96h (OECD 203)

Daphnia toxicity: EC50 Daphnia magna (Big water flea): 71.6 mg/L/48h (OECD 202)

Algae toxicity: EC50 Desmodesmus subspicatus (green algae): 48 mg/L/72h (OECD 201)

### Persistence and degradability

Further details: The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents.

### Mobility in soil

No data available

### Additional ecological information

General information: Do not allow to penetrate into soil, waterbodies or drains.

## 13. Disposal considerations

### Waste treatment methods

#### Product

Recommendation: Dispose of waste according to applicable legislation.

#### Contaminated packaging

Recommendation: Dispose of waste according to applicable legislation.  
Non-contaminated packages may be recycled.



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### 14. Transport information

#### UN number

ADR/RID, IMDG, IATA-DGR:

not applicable

#### Land transport (ADR/RID)

Product designation:

Not restricted

#### Sea transport (IMDG)

Proper shipping name:

Not restricted

Marine pollutant:

no

#### Air transport (IATA)

Proper shipping name:

Not restricted

#### Further information

No dangerous good in sense of these transport regulations.

### 15. Regulatory information

#### Further regulations, limitations and legal requirements

No data available

### 16. Other information

Text for labelling: Labeling for contents according to regulation (EC) No 648/2004, annex VII:  
15% - 30% anionic tenside

Reason of change: Changes in section 2: labeling

Date of first version: 7/2/2015

#### Department issuing data sheet

Contact person: see section 1: Dept. responsible for information

The information in this data sheet has been established to our best knowledge and was up-to-date at time of revision. It does not represent a guarantee for the properties of the product described in terms of the legal warranty regulations.