

# Material safety data sheet

## in accordance with (EC) Directive No. 1907/2006

Trade name: Geberit AquaClean nozzle cleaner  
Date created: 03/01/2011  
Revised on: 01/06/2015

**EN**  
Version: 002

### 1 Identification of the substance/preparation and company

#### 1.1 Product identification

Trade name (art. no.): Geberit AquaClean nozzle cleaner (242.545.00.1)

#### 1.2 Use of the substance/preparation

Cleaning agent for the automatic nozzle cleaning of the Geberit AquaClean 8000plus and the Balena 8000 shower toilet

#### 1.3 Manufacturer/EC marketing authorisation holder

Geberit Produktions GmbH  
Theuerbachstrasse 1  
DE-88630 Pfullendorf  
Phone no.: +49 7552 934 02

#### Point of contact for technical information

Geberit International AG  
Schachenstrasse 77  
CH-8645 Jona  
Phone no.: +41 55 221 63 00  
Fax no.: +41 55 221 67 47  
msds@geberit.com

#### 1.4 Emergency information

- EU:** Giftnotrufzentrale München (Emergency Poisoning Centre, Munich)  
Phone no.: +49 89 19 240 (24 h)
- CH:** Schweizerisches toxikologisches Informationszentrum  
(Swiss Toxicology Information Centre)  
National phone no.: 145 (24 h)  
International phone no.: +41 44 251 51 51 (24 h)

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## 2 Hazards identification

### 2.1 Classification of the substance or mixture in accordance with (EC) Directive No. 1272/2008



Eye Irrit. 2 – H319 – Causes serious eye irritation.

### 2.2 Labelling elements

The product is classified and labelled according to the CLP Regulation.

Hazard pictograms:



GHS07

Signal word: Attention

Hazard-determining components of labelling: citric acid

Hazard statements:

- H319: Causes serious eye irritation

Precautionary statements:

- P102: Keep out of reach of children
- P305 + P351 + P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing

### 2.3 Other hazards

No further relevant information available.

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### 3 Composition/Information on constituents

#### 3.2 Chemical characterisation of mixtures

Description: formulated product

Hazardous constituents:

CAS no.: 5949-29-1 EC no.: 201-069-1	Citric Acid	 Eye Irrit. 2 (H319)	5–10%
CAS no.: 54549-25-6 EC no.: 259-218-1	Decyl Glucoside	  Eye Dam. 1 (H318) Skin Irrit. 2 (H315)	1–2.5%
CAS no.: 61789-40-0 EC no.: 263-058-8	Cocamidopropyl Betaine	 Eye Dam. 1 (H318)	0.1–1%

#### Additional information

For the wording of the listed hazard statements, refer to Section 16.

### 4 First aid measures

#### 4.1 Description of the first aid measures

In case of inhalation:

- In case of breathing difficulties, take the person to an area with fresh air and place them in a comfortable position so that they can breathe more easily

In case of contact with the skin:

- Wash cautiously with plenty of soap and water

In case of contact with the eyes:

- Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. Also rinse under the eyelids. If eye irritation persists, contact an eye specialist

In case of ingestion:

- Rinse out mouth with water and drink plenty of water. Seek medical attention if required

#### 4.2 Acute/Delayed symptoms and effects

If you feel unwell, seek medical attention (if possible, take this material safety data sheet with you).

#### 4.3 Indication of any immediate medical attention/special treatment needed

No further relevant information available.

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## 5 Fire-fighting measures

The requirements listed below are to be used to fight a fire caused by the substance or mixture or which arises in their vicinity.

### 5.1 Suitable extinguishing agents

- Dry extinguishing media
- CO<sub>2</sub>
- Water mist
- Alcohol-resistant foam

Extinguishing agents that are unsuitable for safety reasons:

- Full water jet

### 5.2 Special hazards

This product is non-combustible. During a fire, smoke may contain the original material in addition to potentially toxic and/or irritating compounds.

### 5.3 Fire-fighting instructions

Use fire-fighting measures that suit the environment.

Special protective equipment for fire-fighters:

- Usual measures for chemical fires

## 6 Accidental release measures

### 6.1 Person-related safety precautions

- Use personal protective equipment
- Avoid contact with the eyes and skin
- Wipe up to prevent slipping hazard
- Take the usual precautions that apply when working with chemicals

### 6.2 Measures for environmental protection

No special measures for environmental protection required.

### 6.3 Method and material for clearing up and cleaning

Cleaning instructions:

- Wipe or soak up quickly
- After cleaning, flush away traces with water

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## 7 Handling and storage

### 7.1 Measures for safe handling

- When using this product, do not eat, drink or smoke
- Avoid contact with the eyes and skin

### 7.2 Conditions for safe storage

- Store away from foodstuffs
- Store in original receptacle at room temperature
- Keep out of reach of children

## 8 Limitation and monitoring of exposure/personal protective equipment

### 8.1 Limit values for exposure at the workplace and/or biological limit values

No further relevant information available.

### 8.2 Limitation and monitoring of exposure

Avoid contact with skin, eyes and clothing.

Personal protective equipment:

- Respiratory protection: no special protective measures required
- Hand protection: no special measures required
- Eye protection: avoid contact with the eyes
- Body protection: no special measures required

Limitation and monitoring of environmental exposure:

- No further relevant information available

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## 9 Physical and chemical characteristics

### 9.1 Information on the fundamental physical and chemical characteristics

Appearance:

- State: liquid
- Colour: colourless, clear
- Odour: very slight
- Odour threshold: no data available

Chemical characteristics:

- pH value: 2.3
- Melting point: no data available
- Boiling point: no data available
- Flashpoint: non-flammable
- Evaporation rate: no data available
- Flammability: no data available
- Explosion limits: no data available
- Vapour pressure: no data available
- Vapour density: no data available
- Relative density: 1.045
- Water solubility: fully miscible
- Partition coefficient: no data available
- Self-ignition temperature: no data available
- Decomposition temperature: no data available
- Viscosity: no data available
- Fire/Explosion hazard: non-hazardous
- Oxidising characteristics: none

### 9.2 Other information

No further relevant information available.

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## 10 Stability and reactivity

### 10.1 Reactivity

No further relevant information available.

### 10.2 Chemical stability

No decomposition when the product is used as intended.

### 10.3 Possibility of hazardous reactions

No further relevant information available.

### 10.4 Conditions to be avoided

Do not freeze.

### 10.5 Incompatible materials

None.

### 10.6 Hazardous decomposition products

None when handled according to specifications.

## 11 Toxicological information

### 11.1 Information on toxicological effects

Acute toxicity / LD/LC50 values relevant to classification:

- 1-Propanaminium, 3-amino-N-(carboxymethyl)-N, N-dimethyl-, N-coco acyl derivatives, hydroxides, inner salts (CAS 61789-40-0)
- Oral LD50 Rat = 4900 mg/kg (IUCLID)

Primary irritation:

- To the skin: no data available
- To the eye: serious eye damage/irritation

Sensitisation:

- No data available

Additional toxicological information:

- Human exposure: no known harmful effects from this product

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## 12 Environment-related information

### 12.1 Toxicity

Ecotoxicity:

- No known ecotoxicological effects from this product

Acute toxicity:

- 1-Propanaminium, 3-amino-N-(carboxymethyl)-N, N-dimethyl-, N-coco acyl derivatives, hydroxides, inner salts (CAS 61789-40-0)
- Ecotoxicity-Freshwater Fish-Acute Toxicity Data: 96 h LC50 Brachydanio rerio: 1.0-10.0 mg/L
- Ecotoxicity-Freshwater Fish-Acute Toxicity Data: 96 h LC50 Brachydanio rerio: 2 mg/L [semi-static]
- Ecotoxicity-Water Flea-Acute Toxicity Data: 48 h LC50 Daphnia magna: 6.5 mg/L
- Ecotoxicity-Freshwater Algae-Acute Toxicity Data: 72 h LC50 Desmodesmus subspicatus: 1.0-10.0 mg/L
- Ecotoxicity-Freshwater Algae-Acute Toxicity Data: 96 h LC50 Desmodesmus subspicatus: 0.55 mg/L

### 12.2 Persistence and degradability

The tenside(s) contained in this preparation fulfil(s) the conditions for biodegradability as set out in (EC) Directive No. 648/2004 on detergents. Documents confirming this are held on file for the relevant authorities in member states and can only be made available to such authorities either at their direct request or at the request of a detergent manufacturer.

### 12.3 Bioaccumulative potential

No further relevant information available.

### 12.4 Mobility in soil

No further relevant information available.

### 12.5 Results of PBT and vPvB assessment

- PBT: no data available
- vPvB: no data available

### 12.6 Other harmful effects

No further relevant information available.

## 13 Disposal considerations

### 13.1 Method of handling waste

Substance/Mixture:

- Household amounts can be disposed of as waste water in accordance with official local regulations

Uncleaned packaging:

- Empty any residual amount. Empty receptacles should be taken to local recycling, recovery or waste disposal depots



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## 14 Transport information

### 14.1 UN number

- ADR, IMDG, IATA: not required

### 14.2 UN transport ID

- ADR: not required
- IMDG, IATA: not required

### 14.3 Transport hazard classes

ADR:

- Class: none
- Hazard label: not required

IMDG, IATA:

- Class: none
- Label: not required

### 14.4 Packaging group

- ADR, IMDG, IATA: none

### 14.5 Environmental hazards

- None

### 14.6 Special precautions for the user

- None

### 14.7 Transport of bulk materials in accordance with Appendix II of the MARPOL Convention 73/78 and in accordance with the IBC Code

- Does not apply

### Additional transport information

Not classified as dangerous in the meaning of transport regulations.

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## 15 Statutory regulations

### 15.1 Regulations regarding safety, health protection and environmental protection/specific statutory regulations for the substance or mixture

Constituents in accordance with (EC) Directive No. 648/2004:

- ≥ 30% water
- ≥ 5%, < 15% acids
- < 5% amphoteric tensides, nonionic tensides
- VOC (CH) = 1.99800000%

Citric acid monohydrate (CAS 5949-29-1)

- EU Biocides Regulation (EC) No. 1451/2007 – Existing Active Substances: Present

### 15.2 Substance safety assessment

A substance safety assessment is not required.

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## 16 Other information

### Relevant statements

- H315: Causes skin irritation
- H318: Causes serious eye damage
- H319: Causes serious eye irritation

### Replaces version

Replacement for version 001 dated 03/01/2011

### Revision of previous version

- Complete material safety data sheet: revised in accordance with (EC) Directive No. 1907/2006 REACH

### Data sheet issuing office

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### Abbreviations and acronyms

- CAS: Chemical Abstracts Service (division of the American Chemical Society)
- ADR: Accord européen relatif au transport international des marchandises Dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
- IMDG: International Maritime Dangerous Goods Code
- IATA: International Air Transport Association
- IBC: International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk
- PBT: Persistent, Bioaccumulative and Toxic chemicals
- vPvB: very Persistent and very Bioaccumulative chemicals

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The information in this material safety data sheet is given to the best of our knowledge at the time of printing. The information is intended to provide you with points of reference for safe handling of the product specified in this material safety data sheet with respect to storage, processing, transport and disposal. This information cannot be applied to other products. In the event that the product specified in this material safety data sheet is combined or mixed or processed converted with other materials or is subjected to further treatment, the information contained in this material safety data sheet cannot be applied to the newly produced material, unless expressly specified otherwise.