

* Devantol Super

Date revised: 29.05.2015

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: MA-211

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SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1. Product identifier****Trade name**

Devantol Super

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

Prebrushing agent

1.3. Details of the supplier of the safety data sheet

BÜFA Reinigungssysteme

GmbH & Co. KG

August-Hanken-Str. 30

26125 Oldenburg

Telephone no. +49 441 9317 0

Fax no. +49 441 9317 100

Information provided Department product safety / +49 441 9317 108

by / telephone

E-mail address: produktsicherheit-rs@buefa.de

1.4. Emergency telephone number

Giftzentrale Göttingen: +49 551 19 240

SECTION 2: Hazards identification**2.1. Classification of the substance or mixture****Classification (Regulation (EC) No. 1272/2008)**

Acute Tox. 4 H302

Skin Irrit. 2 H315

Eye Dam. 1 H318

2.2. Label elements**Labelling according to regulation (EC) No 1272/2008****Hazard pictograms****Signal word**

Danger

Hazard statements

H302 Harmful if swallowed.

H315 Causes skin irritation.

H318 Causes serious eye damage.

Precautionary statements

P280.2 Wear protective gloves/eye/face protection.

P301+P312 IF SWALLOWED: Call a POISON CENTER or doctor if you feel unwell.

P302+P352 IF ON SKIN: Wash with plenty of soap and water.

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 or doctor.

Hazardous component(s) to be indicated on label (Regulation (EC) No. 1272/2008)

contains Benzenesulfonic acid, alkyl derivs., sodium salts

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2.3. Other hazards

The product does not contain PBT/vPvB-substances

SECTION 3: Composition/information on ingredients**3.2. Mixtures****Hazardous ingredients****Benzenesulfonic acid, alkyl derivs., sodium salts**

CAS No.	68411-30-3	EINECS no.	270-115-0
Registration no.	01-2119489428-22-XXXX		
Concentration	>= 10 <	25 %	

Skin Irrit. 2	H315
Eye Dam. 1	H318
Acute Tox. 4	H302
Aquatic Chronic 3	H412

Amides, coco, N,N-bis(hydroxyethyl)

CAS No.	68603-42-9	EINECS no.	271-657-0
Concentration	>= 10 <	25 %	

Skin Irrit. 2	H315
Eye Irrit. 2	H319

2-(2-Butoxyethoxy)ethanol

CAS No.	112-34-5	EINECS no.	203-961-6
Registration no.	01-2119475104-44-XXXX		
Concentration	>= 1 <	10 %	

Eye Irrit. 2	H319
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Isotridecanol, ethoxylated

CAS No.	69011-36-5	EINECS no.	500-241-6
Concentration	>= 1 <	10 %	

Acute Tox. 4	H302
Eye Dam. 1	H318

Isotridecanol, ethoxylated

CAS No.	69011-36-5	EINECS no.	500-241-6
Concentration	>= 1 <	10 %	

Eye Dam. 1	H318
Aquatic Chronic 3	H412

2,2'Iminodiethanol

CAS No.	111-42-2	EINECS no.	203-868-0
Registration no.	01-2119488930-28-XXXX		
Concentration	>= 1 <	10 %	

Acute Tox. 4	H302
STOT RE 2	H373
Skin Irrit. 2	H315
Eye Dam. 1	H318

Sulfonic acids, C13-17-sec-alkane, sodium salts

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CAS No.	97489-15-1	EINECS no.	307-055-2
Concentration	>= 1 <	10 %	

Acute Tox. 4	H302
Skin Irrit. 2	H315
Eye Dam. 1	H318

docusate sodium

CAS No.	577-11-7	EINECS no.	209-406-4
Registration no.	01-2119491296-29-XXXX		
Concentration	>= 1 <	10 %	

Skin Irrit. 2	H315
Eye Dam. 1	H318

(2-hydroxyethyl)methylbis[2-(oleoyloxy)ethyl]ammonium methyl sulphate

CAS No.	97338-06-2	EINECS no.	306-600-1
Concentration	>= 1 <	10 %	

Skin Irrit. 2	H315
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SECTION 4: First aid measures**4.1. Description of first aid measures****After inhalation**

Ensure supply of fresh air. In the event of symptoms take medical treatment.

After skin contact

Wash off immediately with soap and water.

After eye contact

In case of contact with the eyes rinse thoroughly with plenty of water or with an eye-cleaning solution. Seek medical advice immediately.

After ingestion

Rinse out mouth and give plenty of water to drink. Seek medical advice immediately.

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

There is no further relevant information available

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

There is no further relevant information available

SECTION 5: Firefighting measures**5.1. Extinguishing media****Suitable extinguishing media**

Carbon dioxide, Dry powder, Water spray jet

5.2. Special hazards arising from the substance or mixture

If a fire breaks out nearby, pressure build-up and danger of bursting are possible.

5.3. Advice for firefighters

Cool endangered containers with water spray jet.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures**

High risk of slipping due to leakage/spillage of product. Use personal protective clothing.

6.2. Environmental precautions

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Do not allow to enter drains or waterways.

6.3. Methods and material for containment and cleaning up

Take up with absorbent material (eg sand, kieselguhr, universal binder). When picked up, treat material as prescribed under Section 13 "Disposal".

6.4. Reference to other sections

Refer to protective measures listed in sections 7 and 8.

SECTION 7: Handling and storage**7.1. Precautions for safe handling**

Observe the usual precautions for handling chemicals.

7.2. Conditions for safe storage, including any incompatibilities

Emptied containers may contain product residues and therefore must be handled with care. Reuse only after appropriate cleaning. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Storage class according to 12 Non-combustible liquids
TRGS 510**7.3. Specific end use(s)**

No information available

SECTION 8: Exposure controls/personal protection**8.2. Exposure controls****General protective and hygiene measures**

Observe the usual precautions for handling chemicals.

Respiratory protection

Not necessary.

Hand protection

Chemical resistant gloves

Appropriate Material nitrile

Breakthrough time 480 min

Eye protection

Tightly fitting safety glasses

Body protection

Clothing as usual in the chemical industry.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Form	liquid
Colour	yellowish
Odour	Product specific
pH value	
Value	6,8 to 8,2
Flash point	
Value	> 100 °C
Density	
Value	appr. 1,0 kg/l
Solubility in water	
Remarks	miscible
Viscosity	

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Value	appr. 20	s
Method	DIN 53211 4 mm	

SECTION 10: Stability and reactivity**10.1. Reactivity**

No hazardous reactions when stored and handled according to prescribed instructions.

10.2. Chemical stability

The product is stable.

10.3. Possibility of hazardous reactions

Under normal conditions of storage and use, hazardous reactions will not occur.

10.4. Conditions to avoid

Protect from heat and direct sunlight.

10.5. Incompatible materials

None known

10.6. Hazardous decomposition products

No hazardous decomposition products known.

SECTION 11: Toxicological information**11.1. Information on toxicological effects****Acute oral toxicity**

ATE	1.717	mg/kg
Method	calculated value (Regulation (EC) No. 1272/2008)	

Acute dermal toxicity

No toxicological data are available.

Acute inhalational toxicity

No toxicological data are available.

Skin corrosion/irritation

Irritating effects on the skin and mucous membrane.

Serious eye damage/irritation

Risk of serious damage to eyes.

Sensitization

Based on available data, the classification criteria are not met.

Sensitization

Based on available data, the classification criteria are not met.

Mutagenicity

Based on available data, the classification criteria are not met.

Carcinogenicity

Based on available data, the classification criteria are not met.

Reproductive toxicity

Based on available data, the classification criteria are not met.

Specific Target Organ Toxicity (STOT)

Based on available data, the classification criteria are not met.

Aspiration hazard

Based on available data, the classification criteria are not met.

SECTION 12: Ecological information**12.1. Toxicity**

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Fish toxicity

No toxicological data are available.

Daphnia toxicity

No toxicological data are available.

Algae toxicity

No toxicological data are available.

Bacteria toxicity

No toxicological data are available.

12.2. Persistence and degradability

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

12.3. Bioaccumulative potential

For this subsection there is no ecotoxicological data available on the product as such.

12.4. Mobility in soil

For this subsection there is no ecotoxicological data available on the product as such.

12.5. Results of PBT and vPvB assessment

The product does not contain PBT/vPvB-substances

12.6. Other adverse effects

For this subsection there is no ecotoxicological data available on the product as such.

SECTION 13: Disposal considerations**13.1. Waste treatment methods****Disposal recommendations for the product**

Allocation of a waste code number, according to the European Waste Catalogue (EWC), should be carried out in agreement with the regional waste disposal company.

Disposal recommendations for packaging

Completely emptied packagings can be given for recycling.

SECTION 14: Transport information**Land transport ADR/RID**

Non-dangerous goods

Marine transport IMDG/GGVSee

The product does not constitute a hazardous substance in sea transport.

SECTION 15: Regulatory information**Ingredients (Regulation (EC) No 648/2004)****15 % or over but less than 30 %:**

non-ionic surfactants, anionic surfactants, aliphatic hydrocarbons

less than 5 %:

cationic surfactants

Further ingredients

(R)-p-mentha-1,8-diene

VOC

VOC (EU) 0,9 %

Other information

The product does not contain substances of very high concern (SVHC).

15.2. Chemical safety assessment

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For this preparation a chemical safety assessment has not been carried out.

SECTION 16: Other information**Hazard statements listed in Chapter 3**

H302	Harmful if swallowed.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H373	May cause damage to organs through prolonged or repeated exposure:
H412	Harmful to aquatic life with long lasting effects.

CLP categories listed in Chapter 3

Acute Tox. 4	Acute toxicity, Category 4
Aquatic Chronic 3	Hazardous to the aquatic environment, chronic, Category 3
Eye Dam. 1	Serious eye damage, Category 1
Eye Irrit. 2	Eye irritation, Category 2
Skin Irrit. 2	Skin irritation, Category 2
STOT RE 2	Specific target organ toxicity - repeated exposure, Category 2

Abbreviations

PBT: Persistent, Bioaccumulative and Toxic
vPvB: Very persistent and very bioaccumulative

Supplemental information

Relevant changes compared with the previous version of the safety data sheet are marked with: ***
This information is based on our present state of knowledge. However, it should not constitute a guarantee for any specific product properties and shall not establish a legally valid relationship.