

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



PURlogic FOAM CLEANER SET (PVC carepolish - 250 ML)

| | | | |
|---------|----------------|---------------|---------------------------------|
| Version | Revision Date: | SDS Number: | Date of last issue: 23.04.2020 |
| 5.2 | 06.11.2020 | 1141656-00006 | Date of first issue: 11.06.2010 |

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

1.1 Product identifier

Trade name : PURlogic FOAM CLEANER SET (PVC carepolish - 250 ML)
Product code : 0892160000

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

Use of the Substance/Mixture : Cleaning agent, Detergent
Professional use product

1.3 Details of the supplier of the safety data sheet

Company : Adolf Wuerth GmbH & Co. KG
Reinhold-Würth-Str. 12-17
74653 Künzelsau

Telephone : +49 794015 0

Telefax : +49 794015 10 00

E-mail address of person responsible for the SDS : prodsafe@wuerth.com

1.4 Emergency telephone number

+49 (0)6132 – 84463

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008)

Long-term (chronic) aquatic hazard, Category 3 : H412: Harmful to aquatic life with long lasting effects.

2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008)

Hazard statements : H412 Harmful to aquatic life with long lasting effects.

Precautionary statements : **Prevention:**
P273 Avoid release to the environment.

2.3 Other hazards

None known.

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SECTION 3: Composition/information on ingredients

3.2 Mixtures

Components

| Chemical name | CAS-No. EC-No. Index-No. Registration number | Classification | Concentration (% w/w) |
|----------------------------------|---|---|--------------------------|
| 2-Bromo-2-nitro- 1,3-propanediol | 52-51-7 200-143-0 603-085-00-8 01-2119980938-15 | Acute Tox. 3; H301 Acute Tox. 3; H331 Acute Tox. 4; H312 Skin Irrit. 2; H315 Eye Dam. 1; H318 STOT SE 3; H335 Aquatic Acute 1; H400 Aquatic Chronic 2; H411 M-Factor (Acute aquatic toxicity): 10 | $\geq 0,025 - < 0,1$ |
| 2-Octyl-2H-isothiazol-3-one | 26530-20-1 247-761-7 613-112-00-5 01-2120768921-45 | Acute Tox. 3; H301 Acute Tox. 2; H330 Acute Tox. 3; H311 Skin Corr. 1; H314 Eye Dam. 1; H318 Skin Sens. 1A; H317 Aquatic Acute 1; H400 Aquatic Chronic 1; H410 M-Factor (Acute aquatic toxicity): 100 M-Factor (Chronic aquatic toxicity): 100 | $\geq 0,0025 - < 0,025$ |

For explanation of abbreviations see section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

- Protection of first-aiders : No special precautions are necessary for first aid responders.
- If inhaled : If inhaled, remove to fresh air.
Get medical attention if symptoms occur.
- In case of skin contact : Wash with water and soap as a precaution.
Get medical attention if symptoms occur.
- In case of eye contact : Flush eyes with water as a precaution.

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Get medical attention if irritation develops and persists.

If swallowed : If swallowed, DO NOT induce vomiting.
Get medical attention if symptoms occur.
Rinse mouth thoroughly with water.

4.2 Most important symptoms and effects, both acute and delayed

None known.

4.3 Indication of any immediate medical attention and special treatment needed

Treatment : Treat symptomatically and supportively.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media : Not applicable
Will not burn

Unsuitable extinguishing media : Not applicable
Will not burn

5.2 Special hazards arising from the substance or mixture

Specific hazards during fire-fighting : Exposure to combustion products may be a hazard to health.

Hazardous combustion products : Carbon oxides
Metal oxides

5.3 Advice for firefighters

Special protective equipment for firefighters : Wear self-contained breathing apparatus for firefighting if necessary. Use personal protective equipment.

Specific extinguishing methods : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Use water spray to cool unopened containers.
Remove undamaged containers from fire area if it is safe to do so.
Evacuate area.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions : Follow safe handling advice (see section 7) and personal protective equipment recommendations (see section 8).

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6.2 Environmental precautions

Environmental precautions : Avoid release to the environment.
Prevent further leakage or spillage if safe to do so.
Prevent spreading over a wide area (e.g. by containment or oil barriers).
Retain and dispose of contaminated wash water.
Local authorities should be advised if significant spillages cannot be contained.

6.3 Methods and material for containment and cleaning up

Methods for cleaning up : Soak up with inert absorbent material.
For large spills, provide dyking or other appropriate containment to keep material from spreading. If dyked material can be pumped, store recovered material in appropriate container.
Clean up remaining materials from spill with suitable absorbent.
Local or national regulations may apply to releases and disposal of this material, as well as those materials and items employed in the cleanup of releases. You will need to determine which regulations are applicable.
Sections 13 and 15 of this SDS provide information regarding certain local or national requirements.

6.4 Reference to other sections

See sections: 7, 8, 11, 12 and 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Technical measures : See Engineering measures under EXPOSURE CONTROLS/PERSONAL PROTECTION section.

Local/Total ventilation : Use only with adequate ventilation.

Advice on safe handling : Handle in accordance with good industrial hygiene and safety practice, based on the results of the workplace exposure assessment
Take care to prevent spills, waste and minimize release to the environment.

Hygiene measures : If exposure to chemical is likely during typical use, provide eye flushing systems and safety showers close to the working place. When using do not eat, drink or smoke. Wash contaminated clothing before re-use.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers : Keep in properly labelled containers. Store in accordance with the particular national regulations.

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Advice on common storage : No special restrictions on storage with other products.

Storage class (TRGS 510) : 12, Non Combustible Liquids

7.3 Specific end use(s)

Specific use(s) : No data available

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational Exposure Limits

| Components | CAS-No. | Value type (Form of exposure) | Control parameters | Basis |
|-----------------------------|---|-------------------------------|------------------------|-------------|
| Glycerine | 56-81-5 | AGW (Inhalable fraction) | 200 mg/m ³ | DE TRGS 900 |
| | Peak-limit: excursion factor (category): 2;(I) | | | |
| | Further information: Senate commission for the review of compounds at the work place dangerous for the health (MAK-commission)., When there is compliance with the OEL and biological tolerance values, there is no risk of harming the unborn child | | | |
| 2-Octyl-2H-isothiazol-3-one | 26530-20-1 | AGW (Inhalable fraction) | 0,05 mg/m ³ | DE TRGS 900 |
| | Peak-limit: excursion factor (category): 2;(I) | | | |
| | Further information: Senate commission for the review of compounds at the work place dangerous for the health (MAK-commission)., Skin absorption, When there is compliance with the OEL and biological tolerance values, there is no risk of harming the unborn child | | | |

Derived No Effect Level (DNEL) according to Regulation (EC) No. 1907/2006:

| Substance name | End Use | Exposure routes | Potential health effects | Value |
|----------------------------------|-----------|-----------------|----------------------------|------------------------|
| Calcium carbonate | Workers | Inhalation | Long-term systemic effects | 6,36 mg/m ³ |
| | Consumers | Ingestion | Acute systemic effects | 6,1 mg/kg bw/day |
| | Consumers | Inhalation | Long-term systemic effects | 1,06 mg/m ³ |
| Glycerine | Consumers | Ingestion | Long-term systemic effects | 6,1 mg/kg bw/day |
| | Workers | Inhalation | Long-term local effects | 56 mg/m ³ |
| | Consumers | Ingestion | Long-term systemic effects | 229 mg/kg bw/day |
| 2-Bromo-2-nitro- 1,3-propanediol | Consumers | Inhalation | Long-term local effects | 33 mg/m ³ |
| | Workers | Inhalation | Long-term systemic effects | 4,1 mg/m ³ |
| | Workers | Inhalation | Acute systemic effects | 12,3 mg/m ³ |

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| | | | fects | |
|--|-----------|--------------|----------------------------|-----------------------|
| | Workers | Inhalation | Long-term local effects | 4,2 mg/m ³ |
| | Workers | Inhalation | Acute local effects | 4,2 mg/m ³ |
| | Workers | Skin contact | Long-term systemic effects | 2,3 mg/kg bw/day |
| | Workers | Skin contact | Acute systemic effects | 7 mg/kg bw/day |
| | Workers | Skin contact | Long-term local effects | 0,013 mg/kg bw/day |
| | Workers | Skin contact | Acute local effects | 0,013 mg/kg bw/day |
| | Consumers | Inhalation | Long-term systemic effects | 1,2 mg/m ³ |
| | Consumers | Inhalation | Acute systemic effects | 3,7 mg/m ³ |
| | Consumers | Inhalation | Long-term local effects | 1,3 mg/m ³ |
| | Consumers | Inhalation | Acute local effects | 1,3 mg/m ³ |
| | Consumers | Skin contact | Long-term systemic effects | 1,4 mg/kg bw/day |
| | Consumers | Skin contact | Acute systemic effects | 4,2 mg/kg bw/day |
| | Consumers | Skin contact | Long-term local effects | 0,008 mg/kg bw/day |
| | Consumers | Skin contact | Acute local effects | 0,008 mg/kg bw/day |
| | Consumers | Ingestion | Long-term systemic effects | 0,35 mg/kg bw/day |
| | Consumers | Ingestion | Acute systemic effects | 1,1 mg/kg bw/day |

Predicted No Effect Concentration (PNEC) according to Regulation (EC) No. 1907/2006:

| Substance name | Environmental Compartment | Value |
|----------------------------------|---------------------------|-------------------------------|
| Calcium carbonate | Sewage treatment plant | 100 mg/l |
| Glycerine | Fresh water | 0,885 mg/l |
| | Marine water | 0,0885 mg/l |
| | Intermittent use/release | 8,85 mg/l |
| | Sewage treatment plant | 1000 mg/l |
| | Fresh water sediment | 3,3 mg/kg dry weight (d.w.) |
| | Marine sediment | 0,33 mg/kg dry weight (d.w.) |
| | Soil | 0,141 mg/kg dry weight (d.w.) |
| 2-Bromo-2-nitro- 1,3-propanediol | Fresh water | 0,01 mg/l |
| | Marine water | 0,0008 mg/l |
| | Intermittent use/release | 0,0025 mg/l |
| | Sewage treatment plant | 0,43 mg/l |
| | Fresh water sediment | 0,041 mg/kg |
| | Marine sediment | 0,00328 mg/kg |

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| | | |
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| | Soil | 0,5 mg/kg |
| 2-Octyl-2H-isothiazol-3-one | Fresh water | 0,0022 mg/l |
| | Freshwater - intermittent | 0,00122 mg/l |
| | Marine water | 0,00022 mg/l |
| | Marine water - intermittent | 0,000122 mg/l |
| | Fresh water sediment | 0,0475 mg/kg dry weight (d.w.) |
| | Marine sediment | 0,00475 mg/kg dry weight (d.w.) |
| | Soil | 0,0082 mg/kg dry weight (d.w.) |

8.2 Exposure controls

Engineering measures

Ensure adequate ventilation, especially in confined areas.
Minimize workplace exposure concentrations.

Personal protective equipment

Eye protection : Please follow all applicable local/national requirements when selecting protective measures for a specific workplace.

Wear the following personal protective equipment:

Safety glasses

Always wear eye protection when the potential for inadvertent eye contact with the product cannot be excluded.

Equipment should conform to DIN EN 166

Hand protection

Material : butyl-rubber

Remarks

: Choose gloves to protect hands against chemicals depending on the concentration and quantity of the hazardous substance and specific to place of work. For special applications, we recommend clarifying the resistance to chemicals of the aforementioned protective gloves with the glove manufacturer. Wash hands before breaks and at the end of workday. Breakthrough time is not determined for the product. Change gloves often!

Skin and body protection : Skin should be washed after contact.

Respiratory protection : If adequate local exhaust ventilation is not available or exposure assessment demonstrates exposures outside the recommended guidelines, use respiratory protection.
Equipment should conform to DIN EN 14387

Filter type : Combined particulates and organic vapour type (A-P)

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SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

| | | |
|--|---|--|
| Appearance | : | liquid |
| Colour | : | white |
| Odour | : | characteristic |
| Odour Threshold | : | No data available |
| pH | : | No data available |
| Melting point/freezing point | : | No data available |
| Initial boiling point and boiling range | : | No data available |
| Flash point | : | Not applicable |
| Evaporation rate | : | No data available |
| Flammability (solid, gas) | : | Not applicable |
| Upper explosion limit / Upper flammability limit | : | No data available |
| Lower explosion limit / Lower flammability limit | : | No data available |
| Vapour pressure | : | No data available |
| Relative vapour density | : | No data available |
| Density | : | ca. 1,38 g/cm ³ (20 °C) |
| Solubility(ies) | | |
| Water solubility | : | completely soluble |
| Partition coefficient: n-octanol/water | : | Not applicable |
| Auto-ignition temperature | : | No data available |
| Decomposition temperature | : | No data available |
| Viscosity | | |
| Viscosity, kinematic | : | No data available |
| Explosive properties | : | Not explosive |
| Oxidizing properties | : | The substance or mixture is not classified as oxidizing. |

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9.2 Other information

Flammability (liquids) : No data available
Particle size : Not applicable

SECTION 10: Stability and reactivity

10.1 Reactivity

Not classified as a reactivity hazard.

10.2 Chemical stability

Stable under normal conditions.

10.3 Possibility of hazardous reactions

Hazardous reactions : None known.

10.4 Conditions to avoid

Conditions to avoid : None known.

10.5 Incompatible materials

Materials to avoid : None.

10.6 Hazardous decomposition products

No hazardous decomposition products are known.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Information on likely routes of exposure : Inhalation
Skin contact
Ingestion
Eye contact

Acute toxicity

Not classified based on available information.

Components:

2-Bromo-2-nitro- 1,3-propanediol:

Acute oral toxicity : LD50 (Rat): 193 - 211 mg/kg

Acute inhalation toxicity : LC50 (Rat): > 0,588 mg/l
Exposure time: 4 h
Test atmosphere: dust/mist

LC50 (Rat): > 0,12 - < 1,14 mg/l

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Exposure time: 4 h
Test atmosphere: dust/mist

Acute dermal toxicity : Acute toxicity estimate: 1.600 mg/kg
Method: Expert judgement
Remarks: Based on harmonised classification in EU regulation 1272/2008, Annex VI

2-Octyl-2H-isothiazol-3-one:

Acute oral toxicity : LD50 (Rat): 125 mg/kg
Method: OECD Test Guideline 401

Acute inhalation toxicity : LC50 (Rat): 0,27 mg/l
Exposure time: 4 h
Test atmosphere: dust/mist
Method: OECD Test Guideline 403
Assessment: Corrosive to the respiratory tract.

Acute dermal toxicity : LD50 (Rabbit): 311 mg/kg
Method: OECD Test Guideline 402

Skin corrosion/irritation

Not classified based on available information.

Components:

2-Bromo-2-nitro- 1,3-propanediol:

Species : Rabbit
Result : Skin irritation

2-Octyl-2H-isothiazol-3-one:

Species : Rabbit
Method : OECD Test Guideline 404
Result : Corrosive after 4 hours or less of exposure

Serious eye damage/eye irritation

Not classified based on available information.

Components:

2-Bromo-2-nitro- 1,3-propanediol:

Species : Rabbit
Result : Irreversible effects on the eye

2-Octyl-2H-isothiazol-3-one:

Species : Rabbit
Method : OECD Test Guideline 405
Result : Irreversible effects on the eye

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Respiratory or skin sensitisation

Skin sensitisation

Not classified based on available information.

Respiratory sensitisation

Not classified based on available information.

Components:

2-Bromo-2-nitro- 1,3-propanediol:

Test Type : Maximisation Test
Exposure routes : Skin contact
Species : Guinea pig
Result : negative

2-Octyl-2H-isothiazol-3-one:

Test Type : Buehler Test
Exposure routes : Skin contact
Species : Guinea pig
Method : OECD Test Guideline 406
Result : positive

Assessment : Probability or evidence of high skin sensitisation rate in humans

Germ cell mutagenicity

Not classified based on available information.

Components:

2-Bromo-2-nitro- 1,3-propanediol:

Genotoxicity in vitro : Test Type: In vitro mammalian cell gene mutation test
Result: negative

Genotoxicity in vivo : Test Type: Mammalian erythrocyte micronucleus test (in vivo cytogenetic assay)
Species: Mouse
Application Route: inhalation (dust/mist/fume)
Method: OECD Test Guideline 474
Result: negative

2-Octyl-2H-isothiazol-3-one:

Genotoxicity in vitro : Test Type: Bacterial reverse mutation assay (AMES)
Method: OECD Test Guideline 471
Result: negative

Test Type: In vitro mammalian cell gene mutation test
Result: negative

Test Type: Chromosome aberration test in vitro

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Result: negative

Carcinogenicity

Not classified based on available information.

Components:

2-Bromo-2-nitro- 1,3-propanediol:

| | | |
|-------------------|---|-----------|
| Species | : | Rat |
| Application Route | : | Ingestion |
| Exposure time | : | 104 weeks |
| Result | : | negative |

Reproductive toxicity

Not classified based on available information.

Components:

2-Bromo-2-nitro- 1,3-propanediol:

| | | |
|----------------------|---|---|
| Effects on fertility | : | Test Type: One-generation reproduction toxicity study |
| | | Species: Rat |
| | | Application Route: Ingestion |
| | | Result: negative |

| | | |
|-------------------------------|---|--------------------------------------|
| Effects on foetal development | : | Test Type: Embryo-foetal development |
| | | Species: Rat |
| | | Application Route: Ingestion |
| | | Result: negative |

2-Octyl-2H-isothiazol-3-one:

| | | |
|----------------------|---|---|
| Effects on fertility | : | Test Type: Two-generation reproduction toxicity study |
| | | Species: Rat |
| | | Application Route: Ingestion |
| | | Method: OECD Test Guideline 416 |
| | | Result: negative |

| | | |
|-------------------------------|---|--|
| Effects on foetal development | : | Test Type: Fertility/early embryonic development |
| | | Species: Rabbit |
| | | Application Route: Ingestion |
| | | Result: negative |

STOT - single exposure

Not classified based on available information.

Components:

2-Bromo-2-nitro- 1,3-propanediol:

| | | |
|------------|---|-----------------------------------|
| Assessment | : | May cause respiratory irritation. |
|------------|---|-----------------------------------|

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STOT - repeated exposure

Not classified based on available information.

Repeated dose toxicity

Components:

2-Bromo-2-nitro- 1,3-propanediol:

Species : Rat
NOAEL : < 20 mg/kg
LOAEL : 20 mg/kg
Application Route : Ingestion
Exposure time : 13 Weeks

2-Octyl-2H-isothiazol-3-one:

Species : Mouse
NOAEL : 65 mg/kg
Application Route : Ingestion
Exposure time : 18 Months

Aspiration toxicity

Not classified based on available information.

SECTION 12: Ecological information

12.1 Toxicity

Components:

2-Bromo-2-nitro- 1,3-propanediol:

Toxicity to fish : LC50 (Lepomis macrochirus (Bluegill sunfish)): 35,7 mg/l
Exposure time: 96 h

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 1,4 mg/l
Exposure time: 48 h

Toxicity to algae/aquatic plants : EC50 (Anabaena flos-aquae (cyanobacterium)): 0,068 mg/l
Exposure time: 72 h

NOEC (Anabaena flos-aquae (cyanobacterium)): 0,025 mg/l
Exposure time: 72 h

M-Factor (Acute aquatic toxicity) : 10

Toxicity to fish (Chronic toxicity) : NOEC: 21,5 mg/l
Exposure time: 49 d
Species: Oncorhynchus mykiss (rainbow trout)
Method: OECD Test Guideline 210

Toxicity to daphnia and other : NOEC: 0,06 mg/l

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aquatic invertebrates (Chronic toxicity)

Exposure time: 21 d
Species: Daphnia magna (Water flea)

2-Octyl-2H-isothiazol-3-one:

Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): 0,036 mg/l
Exposure time: 96 h
Method: OPPTS 850.1075

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 0,1 mg/l
Exposure time: 48 h
Method: OECD Test Guideline 202

Toxicity to algae/aquatic plants : ErC50 (Navicula pelliculosa (Freshwater diatom)): 0,00129 mg/l
Exposure time: 48 h
Method: OECD Test Guideline 201

EC10 (Navicula pelliculosa (Freshwater diatom)): 0,000224 mg/l
Exposure time: 48 h
Method: OECD Test Guideline 201

M-Factor (Acute aquatic toxicity) : 100

Toxicity to fish (Chronic toxicity) : NOEC: 0,0085 mg/l
Exposure time: 35 d
Species: Pimephales promelas (fathead minnow)

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : NOEC: 0,003 mg/l
Exposure time: 21 d
Species: Daphnia magna (Water flea)

M-Factor (Chronic aquatic toxicity) : 100

12.2 Persistence and degradability

Components:

2-Bromo-2-nitro- 1,3-propanediol:

Biodegradability : Result: Readily biodegradable.
Biodegradation: 70 - 80 %
Exposure time: 28 d
Method: OECD Test Guideline 301B

2-Octyl-2H-isothiazol-3-one:

Biodegradability : Result: Not readily biodegradable.
Method: OECD Test Guideline 301D

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12.3 Bioaccumulative potential

Components:

2-Bromo-2-nitro- 1,3-propanediol:

Partition coefficient: n-octanol/water : log Pow: 0,22

2-Octyl-2H-isothiazol-3-one:

Bioaccumulation : Species: Oncorhynchus mykiss (rainbow trout)
Bioconcentration factor (BCF): 843 - 886
Method: OECD Test Guideline 305

Partition coefficient: n-octanol/water : log Pow: 2,61
Remarks: Calculation

12.4 Mobility in soil

No data available

12.5 Results of PBT and vPvB assessment

Not relevant

12.6 Other adverse effects

No data available

SECTION 13: Disposal considerations

13.1 Waste treatment methods

- Product : Dispose of in accordance with local regulations.
According to the European Waste Catalogue, Waste Codes are not product specific, but application specific.
Waste codes should be assigned by the user, preferably in discussion with the waste disposal authorities.
- Contaminated packaging : Empty containers should be taken to an approved waste handling site for recycling or disposal.
If not otherwise specified: Dispose of as unused product.
- Waste Code : The following Waste Codes are only suggestions:
- used product
20 01 29, detergents containing hazardous substances
- unused product
20 01 29, detergents containing hazardous substances
- uncleaned packagings
15 01 10, packaging containing residues of or contaminated by hazardous substances
- Acc. Packaging Ordinance properly emptied packaging:

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Properly emptied, non-contaminated packaging of non-hazardous products can be supplied to a system for the collection of sales packaging.

SECTION 14: Transport information

14.1 UN number

Not regulated as a dangerous good

14.2 UN proper shipping name

Not regulated as a dangerous good

14.3 Transport hazard class(es)

Not regulated as a dangerous good

14.4 Packing group

Not regulated as a dangerous good

14.5 Environmental hazards

Not regulated as a dangerous good

14.6 Special precautions for user

Not applicable

14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

Remarks : Not applicable for product as supplied.

SECTION 15: Regulatory information

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

REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, preparations and articles (Annex XVII) : Conditions of restriction for the following entries should be considered: Number on list 3

REACH - Candidate List of Substances of Very High Concern for Authorisation (Article 59). : Not applicable

REACH - List of substances subject to authorisation (Annex XIV) : Not applicable

Regulation (EC) No 1005/2009 on substances that deplete the ozone layer : Not applicable

Regulation (EU) 2019/1021 on persistent organic pollutants (recast) : Not applicable

Regulation (EC) No 649/2012 of the European Parliament and the Council concerning the export and import of dangerous chemicals : Not applicable

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Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances.
Not applicable

Water contaminating class (Germany) : WGK 2 obviously hazardous to water
Classification according to AwSV, Annex 1 (5.2)

Volatile organic compounds : Directive 2010/75/EU of 24 November 2010 on industrial emissions (integrated pollution prevention and control)
Volatile organic compounds (VOC) content: 0,07 %, 2,9 g/l
Remarks: VOC content excluding water

Regulation (EC) No. 648/2004, as amended : less than 5 %: Anionic surfactants
Other constituents: Perfumes
Preservation agents:
2-BROMO-2-NITROPROPANE-1,3-DIOL
OCTYLISOTHIAZOLINONE
Allergens:
CITRAL
LIMONENE

15.2 Chemical safety assessment

A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

Other information : Items where changes have been made to the previous version are highlighted in the body of this document by two vertical lines.

Full text of H-Statements

H301 : Toxic if swallowed.
H311 : Toxic in contact with skin.
H312 : Harmful in contact with skin.
H314 : Causes severe skin burns and eye damage.
H315 : Causes skin irritation.
H317 : May cause an allergic skin reaction.
H318 : Causes serious eye damage.
H330 : Fatal if inhaled.
H331 : Toxic if inhaled.
H335 : May cause respiratory irritation.
H400 : Very toxic to aquatic life.
H410 : Very toxic to aquatic life with long lasting effects.
H411 : Toxic to aquatic life with long lasting effects.

Full text of other abbreviations

Acute Tox. : Acute toxicity
Aquatic Acute : Short-term (acute) aquatic hazard
Aquatic Chronic : Long-term (chronic) aquatic hazard
Eye Dam. : Serious eye damage
Skin Corr. : Skin corrosion

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| | | |
|-------------------|---|---|
| Skin Irrit. | : | Skin irritation |
| Skin Sens. | : | Skin sensitisation |
| STOT SE | : | Specific target organ toxicity - single exposure |
| DE TRGS 900 | : | Germany. TRGS 900 - Occupational exposure limit values. |
| DE TRGS 900 / AGW | : | Time Weighted Average |

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - European Agreement concerning the International Carriage of Dangerous Goods by Road; AIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECHA - European Chemicals Agency; EC-Number - European Community number; ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; SVHC - Substance of Very High Concern; TCSI - Taiwan Chemical Substance Inventory; TRGS - Technical Rule for Hazardous Substances; TSCA - Toxic Substances Control Act (United States); UN - United Nations; vPvB - Very Persistent and Very Bioaccumulative

Further information

Sources of key data used to compile the Safety Data Sheet : Internal technical data, data from raw material SDSs, OECD eChem Portal search results and European Chemicals Agency, <http://echa.europa.eu/>

Classification of the mixture:

Aquatic Chronic 3 H412

Classification procedure:

Calculation method

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and shall not be considered a warranty or quality specification of any type. The information provided relates only to the specific material identified at the top of this SDS and may not be valid when the SDS mate-

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Material is used in combination with any other materials or in any process, unless specified in the text. Material users should review the information and recommendations in the specific context of their intended manner of handling, use, processing and storage, including an assessment of the appropriateness of the SDS material in the user's end product, if applicable.

DE / EN