

Safety Data Sheet

according to UK REACH Regulation

Grünbelagentferner A

Revision date: 08.03.2022

Product code:

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

1.1. Product identifier

Grünbelagentferner A

UFI: 3300-P0FP-8000-GPAM

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

Use of the substance/mixture

Cleaning concentrate

Uses advised against

Any non-intended use.

1.3. Details of the supplier of the safety data sheet

Manufacturer

Company name: Schaich Chemie und Bautenschutz GmbH
Street: Ficht 8
Place: D-94107 Untergriesbach
Telephone: +49(0)8593 93 96 207
e-mail: info@schaich-chemie.de
Internet: www.schaich-chemie.de
Responsible Department: +49 (0)8593 9396207 (8:00-16:00)

Telefax: +49(0)8593 93 96 206

Supplier

Company name: Stein & Co. GmbH
Street: Wirtschaftspark Straße 3/9
Place: A-4482 Ennsdorf

1.4. Emergency telephone number: +49 (0)8593 9396207 (8:00-13:00)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

GB CLP Regulation

Skin Corr. 1; H314
Eye Dam. 1; H318
Aquatic Acute 1; H400
Aquatic Chronic 2; H411

Full text of hazard statements: see SECTION 16.

2.2. Label elements

GB CLP Regulation

Hazard components for labelling

Sodium Hypochlorite
sodium hydroxide

Signal word: Danger

Pictograms:



Hazard statements

H314 Causes severe skin burns and eye damage.
H410 Very toxic to aquatic life with long lasting effects.

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Precautionary statements

| | |
|----------------|--|
| P101 | If medical advice is needed, have product container or label at hand. |
| P102 | Keep out of reach of children. |
| P273 | Avoid release to the environment. |
| P280 | Wear protective gloves/protective clothing/eye protection/face protection. |
| P305+P351+P338 | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. |
| P501 | Dispose of contents/container in accordance with local/regional/national/international regulations. |

Special labelling of certain mixtures

| | |
|--------|---|
| EUH031 | Contact with acids liberates toxic gas. |
| EUH206 | Warning! Do not use together with other products. May release dangerous gases (chlorine). |

2.3. Other hazards

For information or further instructions, see also section 11 or 12.

SECTION 3: Composition/information on ingredients**3.2. Mixtures****Hazardous components**

| CAS No | Chemical name | Quantity |
|-----------|--|--------------|
| | EC No | Index No |
| | REACH No | |
| | Classification (GB CLP Regulation) | |
| 7681-52-9 | Sodium Hypochlorite | 12 - < 15 % |
| | 231-668-3 | 017-011-00-1 |
| | 01-2119488154-34 | |
| | Met. Corr. 1, Skin Corr. 1B, Eye Dam. 1, STOT SE 3, Aquatic Acute 1, Aquatic Chronic 1; H290 H314 H318 H335 H400 H410 EUH031 | |
| 1310-73-2 | sodium hydroxide; caustic soda | 0.5 - < 1 % |
| | 215-185-5 | 011-002-00-6 |
| | 01-2119457892-27 | |
| | Met. Corr. 1, Skin Corr. 1A, Eye Dam. 1; H290 H314 H318 | |

Full text of H and EUH statements: see section 16.

Specific Conc. Limits, M-factors and ATE

| CAS No | EC No | Chemical name | Quantity |
|-----------|-----------|--|-------------|
| | | Specific Conc. Limits, M-factors and ATE | |
| 7681-52-9 | 231-668-3 | Sodium Hypochlorite | 12 - < 15 % |
| | | inhalation: LC50 = > 10,5 mg/l (vapours); dermal: LD50 = > 20000 mg/kg; oral: LD50 = 1100 mg/kg M acute; H400: M=10 M chron.; H410: M=1 EUH; EUH031: >= 5 - 100 | |
| 1310-73-2 | 215-185-5 | sodium hydroxide; caustic soda | 0.5 - < 1 % |
| | | Skin Corr. 1A; H314: >= 5 - 100 Skin Corr. 1B; H314: >= 2 - < 5 Skin Irrit. 2; H315: >= 0,5 - < 2 Eye Irrit. 2; H319: >= 0,5 - < 2 | |

Labelling for contents according to Regulation (EC) No 648/2004

5 % - < 15 % chlorine-based bleaching agents.

Further Information

Product does not contain listed SVHC substances > 0,1 % according to Regulation (EC) No. 1907/2006 Article 59 (REACH)

SECTION 4: First aid measures**4.1. Description of first aid measures**

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General information

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

After inhalation

In case of accident by inhalation: remove casualty to fresh air and keep at rest. In case of respiratory tract irritation, consult a physician. In the case of lung irritation: Primary treatment using corticoide spray, eg. Auxiloson spray, Pulmicort-dosage-spray. (Auxiloson and Pulmicort are registered trademarks).

After contact with skin

After contact with skin, wash immediately with plenty of water and soap. Take off immediately all contaminated clothing. In case of skin irritation, seek medical treatment.

After contact with eyes

In case of contact with eyes, rinse immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart. Subsequently consult an ophthalmologist.

After ingestion

Do NOT induce vomiting. Rinse mouth thoroughly with water. Let water be drunken in little sips (dilution effect). Observe risk of aspiration if vomiting occurs. Never give anything by mouth to an unconscious person or a person with cramps. When in doubt or if symptoms are observed, get medical advice.

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

If swallowed danger of perforation of the esophagus and the stomach (strong corrosive effects).

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

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Sand. Foam. Carbon dioxide (CO₂). Extinguishing powder. In case of major fire and large quantities: Water spray jet. Water mist.

Unsuitable extinguishing media

High power water jet

5.2. Special hazards arising from the substance or mixture

Can be released in case of fire: Carbon monoxide Carbon dioxide (CO₂) Chlorine (Cl₂). Hydrogen chloride (HCl).

5.3. Advice for firefighters

In case of fire and/or explosion do not breathe fumes. In case of fire: Wear self-contained breathing apparatus.

Additional information

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water. Co-ordinate fire-fighting measures to the fire surroundings.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General advice

Do not breathe vapour/aerosol. Avoid contact with skin, eyes and clothes.

For non-emergency personnel

Wear personal protection equipment (refer to section 8).

For emergency responders

Wear breathing apparatus if exposed to vapours/dusts/aerosols.

6.2. Environmental precautions

Do not allow to enter into surface water or drains. Prevent spread over a wide area (e.g. by containment or oil barriers). Do not allow to enter into soil/subsoil.

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6.3. Methods and material for containment and cleaning up**For containment**

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents).
Treat the recovered material as prescribed in the section on waste disposal.

For cleaning up

Clean contaminated objects and areas thoroughly observing environmental regulations.

6.4. Reference to other sections

Safe handling: see section 7

Disposal: see section 13

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

Wear suitable protective clothing. (See section 8.)
Conditions to avoid: aerosol or mist formation
Avoid contact with skin, eyes and clothes.

Advice on protection against fire and explosion

Usual measures for fire prevention.

Advice on general occupational hygiene

When using do not eat, drink or smoke.

Further information on handling

General protection and hygiene measures: See section 8.

7.2. Conditions for safe storage, including any incompatibilities**Requirements for storage rooms and vessels**

Keep container tightly closed in a cool, well-ventilated place. Only use containers specifically approved for the substance/product.
Make sure spills can be contained (e.g. sump pallets or kerbed areas).

Hints on joint storage

Do not store together with: Explosives. Oxidizing solids. Oxidizing liquids. Organic peroxides. Self-reactive substances and mixtures. Radioactive substances. Infectious substances.

Further information on storage conditions

Recommended storage temperature: 20°C

Protect against: frost. UV-radiation/sunlight. heat. Humidity

7.3. Specific end use(s)

See section 1.

SECTION 8: Exposure controls/personal protection**8.1. Control parameters****Exposure limits (EH40)**

| CAS No | Substance | ppm | mg/m ³ | fibres/ml | Category | Origin |
|-----------|------------------|-----|-------------------|-----------|---------------|--------|
| 7782-50-5 | Chlorine | 0.5 | 1.5 | | STEL (15 min) | WEL |
| 1310-73-2 | Sodium hydroxide | - | 2 | | STEL (15 min) | WEL |

DNEL/DMEL values

| CAS No | Substance | Exposure route | Effect | Value |
|-----------|---------------------|----------------|--------|-------|
| 7681-52-9 | Sodium Hypochlorite | | | |

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| | | | |
|--------------------------|--------------------------------|----------|------------------------|
| Consumer DNEL, long-term | dermal | local | 0,5 % |
| Consumer DNEL, long-term | oral | systemic | 0,26 mg/kg bw/day |
| Worker DNEL, long-term | inhalation | systemic | 1,55 mg/m ³ |
| Worker DNEL, acute | inhalation | systemic | 3,1 mg/m ³ |
| Worker DNEL, long-term | inhalation | local | 1,55 mg/m ³ |
| Worker DNEL, acute | inhalation | local | 3,1 mg/m ³ |
| Worker DNEL, long-term | dermal | local | 0,5 % |
| Consumer DNEL, long-term | inhalation | systemic | 1,55 mg/m ³ |
| Consumer DNEL, acute | inhalation | systemic | 3,1 mg/m ³ |
| Consumer DNEL, long-term | inhalation | local | 1,55 mg/m ³ |
| Consumer DNEL, acute | inhalation | local | 3,1 mg/m ³ |
| 1310-73-2 | sodium hydroxide; caustic soda | | |
| Worker DNEL, long-term | inhalation | local | 1 mg/m ³ |
| Consumer DNEL, long-term | inhalation | local | 1 mg/m ³ |

PNEC values

| CAS No | Substance | Value |
|-----------|--|---------------|
| 7681-52-9 | Sodium Hypochlorite | |
| | Freshwater | 0,00021 mg/l |
| | Freshwater (intermittent releases) | 0,00026 mg/l |
| | Marine water | 0,000042 mg/l |
| | Secondary poisoning | 11,1 mg/kg |
| | Micro-organisms in sewage treatment plants (STP) | 4,69 mg/l |

8.2. Exposure controls**Appropriate engineering controls**

Technical measures and the application of suitable work processes have priority over personal protection equipment.

Provide adequate ventilation.

Individual protection measures, such as personal protective equipment**Eye/face protection**

Wear eye/face protection. BS/EN 166

Hand protection

Wear suitable gloves.

Suitable material:

FKM (fluororubber). - Thickness of glove material: 0,4 mm

Breakthrough time \geq 8 h

Butyl rubber. - Thickness of glove material: 0,5 mm

Breakthrough time \geq 8 h

CR (polychloroprenes, Chloroprene rubber). - Thickness of glove material: 0,5 mm

Breakthrough time \geq 8 h

NBR (Nitrile rubber). - Thickness of glove material: 0,35 mm

Breakthrough time \geq 8 h

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PVC (Polyvinyl chloride). - Thickness of glove material: 0,5 mm

Breakthrough time \geq 8 h

For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

The selected protective gloves have to satisfy the specifications of EU Directive EC/2016/425 and the standard EN ISO 374 derived from it.

Before using check leak tightness / impermeability. In the case of wanting to use the gloves again, clean them before taking off and air them well.

Skin protection

Suitable protective clothing: Lab apron.

Minimum standard for preventive measures while handling with working materials are specified in the TRGS 500 (D).

Respiratory protection

With correct and proper use, and under normal conditions, breathing protection is not required.

Respiratory protection necessary at:

-Exceeding exposure limit values

-Insufficient ventilation and aerosol or mist formation

Suitable respiratory protective equipment: particulates filter device (DIN EN 143). Type: P1-3

The filter class must be suitable for the maximum contaminant concentration (gas/vapour/aerosol/particulates) that may arise when handling the product. If the concentration is exceeded, self-contained breathing apparatus must be used.

Environmental exposure controls

No information available.

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

| | |
|-----------------|----------------|
| Physical state: | liquid |
| Colour: | light yellow |
| Odour: | characteristic |

Changes in the physical state

| | |
|---|---------------------------|
| Melting point/freezing point: | No information available. |
| Boiling point or initial boiling point and boiling range: | No information available. |
| Sublimation point: | No information available. |
| Softening point: | No information available. |
| Pour point: | No information available. |
| Flash point: | No information available. |

Flammability

| | |
|---------------|---------------------------|
| Solid/liquid: | No information available. |
| Gas: | No information available. |

Explosive properties

none

| | |
|----------------------------|---------------------------|
| Lower explosion limits: | No information available. |
| Upper explosion limits: | No information available. |
| Auto-ignition temperature: | No information available. |

Self-ignition temperature

| | |
|--------|---------------------------|
| Solid: | No information available. |
| Gas: | No information available. |

| | |
|----------------------------|---------------------------|
| Decomposition temperature: | No information available. |
|----------------------------|---------------------------|

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| | |
|--|---------------------------|
| pH-Value: | 12,3 |
| Viscosity / dynamic: | No information available. |
| Viscosity / kinematic: | No information available. |
| Flow time: | No information available. |
| Water solubility: | No information available. |
| Solubility in other solvents | |
| No information available. | |
| Partition coefficient n-octanol/water: | No information available. |
| Vapour pressure: (at 20 °C) | No information available. |
| Vapour pressure: (at 50 °C) | No information available. |
| Density (at 20 °C): | No information available. |
| Bulk density: | No information available. |
| Relative vapour density: | No information available. |

9.2. Other information**Information with regard to physical hazard classes**

| | |
|------------------------|-------------------|
| Sustaining combustion: | No data available |
| Oxidizing properties | |
| none | |

Other safety characteristics

| | |
|--------------------------|---------------------------|
| Solvent separation test: | No information available. |
| Solvent content: | No information available. |
| Solid content: | No information available. |
| Evaporation rate: | No information available. |

Further Information

No information available.

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

May be corrosive to metals.

10.2. Chemical stability

The product is chemically stable under recommended conditions of storage, use and temperature.

10.3. Possibility of hazardous reactions

No hazardous reaction when handled and stored according to provisions.
Refer to chapter 10.5.

10.4. Conditions to avoid

Protect against: UV-radiation/sunlight. heat.

10.5. Incompatible materials

Materials to avoid: Oxidizing agents, strong. Reducing agents, strong. Reactions with light metals with the formation of hydrogen. amines. metals. Methanol. Exothermic reactions with: Acid

10.6. Hazardous decomposition products

Does not decompose when used for intended uses.
Can be released in case of fire: Carbon dioxide (CO₂). Carbon monoxide Hydrogen chloride (HCl). Chlorine (Cl₂).

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SECTION 11: Toxicological information**11.1. Information on hazard classes as defined in GB CLP Regulation****Toxicokinetics, metabolism and distribution**

No information available.

Acute toxicity

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

| CAS No | Chemical name | | | | |
|-----------|-------------------------|-----------------------|---------|--------------|--------------------|
| | Exposure route | Dose | Species | Source | Method |
| 7681-52-9 | Sodium Hypochlorite | | | | |
| | oral | LD50 1100 mg/kg | Rat | ECHA Dossier | OECD Guideline 401 |
| | dermal | LD50 > 20000 mg/kg | Rabbit | ECHA Dossier | OECD Guideline 402 |
| | inhalation (1 h) vapour | LC50 > 10,5 mg/l | Rat | ECHA Dossier | OECD Guideline 403 |

Irritation and corrosivity

Causes severe skin burns and eye damage.

Causes serious eye damage.

Sensitising effects

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

Carcinogenic/mutagenic/toxic effects for reproduction

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

STOT-single exposure

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

STOT-repeated exposure

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

Aspiration hazard

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

11.2. Information on other hazards**Endocrine disrupting properties**

No information available.

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

The product has not been tested.

| CAS No | Chemical name | | | | | |
|-----------|--------------------------|--------------------------|-----------|---------------------------------|--------------|--------------------|
| | Aquatic toxicity | Dose | [h] [d] | Species | Source | Method |
| 7681-52-9 | Sodium Hypochlorite | | | | | |
| | Acute fish toxicity | LC50 0,032 (TRO) mg/l | 96 h | Fish ,various | ECHA Dossier | |
| | Acute algae toxicity | ErC50 0,036 mg/l | 72 h | Pseudokirchneriella subcapitata | ECHA Dossier | OECD Guideline 201 |
| | Acute crustacea toxicity | EC50 0,035 mg/l | 48 h | Ceriodaphnia dubia | ECHA Dossier | OECD Guideline 202 |
| | Fish toxicity | NOEC 0,04 mg/l | 21 d | Brevoortia tyrannus | ECHA Dossier | |

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| | | | | | | | |
|-----------|--------------------------------|----------------|----------|------|---------------------------------|--------------|--------------------|
| | Crustacea toxicity | NOEC mg/l | 0,015 | 21 d | V. iris (Ambloplites rupestris) | ECHA Dossier | READ ACROSS |
| | Acute bacteria toxicity | (EC50 mg/l) | 563 | 3 h | Activated sludge | ECHA Dossier | OECD Guideline 209 |
| 1310-73-2 | sodium hydroxide; caustic soda | | | | | | |
| | Acute fish toxicity | LC50 | 125 mg/l | 96 h | Gambusia affinis | ECHA dossier | |
| | Acute crustacea toxicity | EC50 mg/l | 40,4 | 48 h | Ceriodaphnia spec | ECHA dossier | |
| | Acute bacteria toxicity | (EC50 | 22 mg/l) | | Photobacterium phosphoreum | ECHA dossier | |

12.2. Persistence and degradability

The product has not been tested.

12.3. Bioaccumulative potential

No indication of bioaccumulation potential.

Partition coefficient n-octanol/water

| CAS No | Chemical name | Log Pow |
|-----------|---------------------|---------|
| 7681-52-9 | Sodium Hypochlorite | -3,42 |

12.4. Mobility in soil

No information available.

12.5. Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to UK REACH.

The aforementioned statement applies to substances contained in the product with a minimum content of 0.1 %.

12.6. Endocrine disrupting properties

This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

The aforementioned statement applies to substances contained in the product with a minimum content of 0.1 %.

12.7. Other adverse effects

No information available.

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

Dispose of waste according to applicable legislation. Consult the local waste disposal expert about waste disposal. Non-contaminated packages may be recycled. The allocation of waste identity numbers/waste descriptions must be carried out according to the EEC, specific to the industry and process.

Control report for waste code/ waste marking according to (EWC) European Waste Catalogue:

List of Wastes Code - residues/unused products

200129 MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS; separately collected fractions (except 15 01); detergents containing hazardous substances; hazardous waste

List of Wastes Code - used product

200129 MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS; separately collected fractions (except 15 01); detergents containing hazardous substances; hazardous waste

List of Wastes Code - contaminated packaging

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150110 WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED; packaging (including separately collected municipal packaging waste); packaging containing residues of or contaminated by hazardous substances; hazardous waste

Contaminated packaging

Handle contaminated packages in the same way as the substance itself.

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

14.1. UN number or ID number: UN 1791
14.2. UN proper shipping name: HYPOCHLORITE SOLUTION
14.3. Transport hazard class(es): 8
14.4. Packing group: II
 Hazard label: 8



Classification code: C9
 Special Provisions: 521
 Limited quantity: 1 L
 Excepted quantity: E2
 Transport category: 2
 Hazard No: 80
 Tunnel restriction code: E

Inland waterways transport (ADN)

14.1. UN number or ID number: UN 1791
14.2. UN proper shipping name: HYPOCHLORITE SOLUTION
14.3. Transport hazard class(es): 8
14.4. Packing group: II
 Hazard label: 8



Classification code: C9
 Special Provisions: 521
 Limited quantity: 1 L
 Excepted quantity: E2

Marine transport (IMDG)

14.1. UN number or ID number: UN 1791
14.2. UN proper shipping name: HYPOCHLORITE SOLUTION
14.3. Transport hazard class(es): 8
14.4. Packing group: II
 Hazard label: 8



Marine pollutant: P
 Special Provisions: 274, 900
 Limited quantity: 1 L
 Excepted quantity: E2
 EmS: F-A, S-B

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Segregation group: 8 - hypochlorites

Air transport (ICAO-TI/IATA-DGR)

14.1. UN number or ID number: UN 1791
14.2. UN proper shipping name: HYPOCHLORITE SOLUTION
14.3. Transport hazard class(es): 8
14.4. Packing group: II
 Hazard label: 8



Special Provisions: A3 A803
 Limited quantity Passenger: 0.5 L
 Passenger LQ: Y840
 Excepted quantity: E2
 IATA-packing instructions - Passenger: 851
 IATA-max. quantity - Passenger: 1 L
 IATA-packing instructions - Cargo: 855
 IATA-max. quantity - Cargo: 30 L

14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: Yes



Danger releasing substance: Sodium Hypochlorite

14.6. Special precautions for user

Safe handling: see section 7
 Personal protection equipment: see section 8

14.7. Maritime transport in bulk according to IMO instruments

not relevant

SECTION 15: Regulatory information**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****EU regulatory information**

Restrictions on use (REACH, annex XVII):

Entry 3, Entry 75

2010/75/EU (VOC): No information available.
 2004/42/EC (VOC): No information available.
 Information according to 2012/18/EU (SEVESO III): E1 Hazardous to the Aquatic Environment

Additional information

Safety Data Sheet according to UK-REACH Regulation
 The mixture is classified as hazardous according to regulation (EC) No 1272/2008 [CLP].
 UK REACH Appendix XVII, No (mixture): 3
 Regulation (EC) No. 648/2004 (Detergents regulation)

National regulatory information

Employment restrictions: Observe restrictions to employment for juveniles according to the 'juvenile work protection guideline' (94/33/EC).
 Water hazard class (D): 2 - obviously hazardous to water

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15.2. Chemical safety assessment

For the following substances of this mixture a chemical safety assessment has been carried out:

Sodium Hypochlorite

sodium hydroxide; caustic soda

SECTION 16: Other information**Changes**

Rev.: 1,0; Initial release: 21.06.2021

Rev.: 2,0; Revision: 08.03.2022

Abbreviations and acronyms

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

CAS: Chemical Abstracts Service

CLP: Classification, Labelling and Packaging of substances and mixtures

DNEL: Derived No Effect Level

d: day(s)

EINECS: European INventory of Existing Commercial chemical Substances

ELINCS: European List of Notified Chemical Substances

ECHA: European Chemicals Agency

EWC: European Waste Catalogue

IARC: INTERNATIONAL AGENCY FOR RESEARCH ON CANCER

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)

ICAO: International Civil Aviation Organization

ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO)

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

GefStoffV: Gefahrstoffverordnung (Ordinance on Hazardous Substances, Germany)

h: hour

LOAEL: Lowest observed adverse effect level

LOAEC: Lowest observed adverse effect concentration

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

NOAEL: No observed adverse effect level

NOAEC: No observed adverse effect concentration

NLP: No-Longer Polymers

N/A: not applicable

OECD: Organisation for Economic Co-operation and Development

PNEC: predicted no effect concentration

PBT: Persistent bioaccumulative toxic

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

REACH: Registration, Evaluation, Authorisation of Chemicals

SVHC: substance of very high concern

TRGS: Technische Regeln für Gefahrstoffe

UN: United Nations

VOC: Volatile Organic Compounds

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Classification for mixtures and used evaluation method according to GB CLP Regulation

| Classification | Classification procedure |
|-------------------------|--------------------------|
| Skin Corr. 1; H314 | On basis of test data |
| Eye Dam. 1; H318 | On basis of test data |
| Aquatic Acute 1; H400 | Calculation method |
| Aquatic Chronic 2; H411 | Calculation method |

Relevant H and EUH statements (number and full text)

| | |
|--------|---|
| H290 | May be corrosive to metals. |
| H314 | Causes severe skin burns and eye damage. |
| H318 | Causes serious eye damage. |
| 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. |
| EUH031 | Contact with acids liberates toxic gas. |
| EUH206 | Warning! Do not use together with other products. May release dangerous gases (chlorine). |

Further Information

Classification according to GHS [UK CLP] - Classification procedure:

Health hazards: Calculation method.

Environmental hazards: Calculation method.

Physical hazards: On basis of test data and / or calculated and / or estimated.

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)