

SAFETY DATA SHEET

This Safety Data Sheet (SDS) was created pursuant to the requirements of: Regulation (EC) No. 1907/2006 (in particular as amended by Commission Regulation (EU) 2020/878 with respect to SDSs) and Regulation (EC) No. 1272/2008 (CLP)

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Revision Number 1

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

1.1. Product identifier

Product Identifier C-21148100-002_PGP_CLPR7_EUR_SAW
Product Name Fairy Professional ADW Platinum Plus
Product Form Mixture
Pure substance/mixture Mixture

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

Recommended use Restricted to professional users
Uses advised against No information available
Main user category SU 22 - Professional uses
Product category Auto Dish unit dose
Use category PC35 - Washing and cleaning products (including solvent based products)

1.3. Details of the supplier of the safety data sheet

| Supplier | Manufacturer |
|---|--|
| Procter & Gamble UK Brooklands PGP, Weybridge, Surrey, KT13 0XP, UK Tel: 01932 896000 Fax: 01932 896200 | Belgium P&G Mechelen (Malines), Hombeeksesteenweg 323, B - 2800 Mechelen, Antwerpen, Belgium Tel: 32-15-455611 Fax: 32-15-455615 |
| P&G DCE bvba/sprl-Belgium Dist. Div., Temselaan 100, B-1853 Strombeek-Bever, Belgium (IE) 1800 535 119 | |

For further information, please contact

E-mail address customerservice@pgprof.com

1.4. Emergency telephone number

Emergency Telephone (UK) Emergency Tel: 0800 328 8304 (IRL) Emergency Tel: 1800 509 497

(IRL) Poisons information: for information or to report a poisoning incident contact The National Poisons Information Centre 01 8092166 (8.00 a.m. to 10.00 p.m. 7 days a week)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to
Regulation (EC) No. 1272/2008 [CLP]

| | |
|--|---------------------|
| Serious eye damage/eye irritation | Category 1 - (H318) |
|--|---------------------|

2.2. Label elements



Signal word
Danger

Hazard statements

H318 - Causes serious eye damage

Precautionary Statements - EU (§28, 1272/2008)

P102 - Keep out of reach of children

P301 + P330 + P331 - IF SWALLOWED: Rinse mouth. Do NOT induce vomiting

Drink small amount of water to dilute

P305 + P351 - IF IN EYES: Rinse cautiously with water for several minutes

P310 - Immediately call a POISON CENTER/doctor

EUH208 - Contains Protease May produce an allergic reaction.

2.3. Other hazards

No information available

Endocrine Disruptor Information There are no substances contained at or above the regulated value for declaration of >0.1% that fall under the definition of confirmed endocrine disruptors of any EU regulation.

SECTION 3: Composition/information on ingredients

3.1 Substances

Not applicable

3.2 Mixtures

| Chemical name | CAS No. | Weight-% | REACH registration number | EC No (EU Index No) | Classification according to Regulation (EC) No. 1272/2008 [CLP] | Specific concentration limit (SCL) | M-Factor | M-Factor (long-term) |
|---|-------------|----------|---------------------------|---------------------|--|--|----------|----------------------|
| Sodium Carbonate Peroxide | 15630-89-4 | 10 - 20 | 01-21194572 68-30 | 239-707-6 | Acute Tox. 4 (Oral) (H302) Eye Dam. 1 (H318) Ox. Sol. 3 (H272) | Eye Dam. 1 :: 25%≤C<100% Eye Irrit. 2 :: 7.5%≤C<25% | - | - |
| Sodium Carbonate | 497-19-8 | 10 - 20 | 01-21194854 98-19 | 207-838-8 | Eye Irrit. 2 (H319) | - | - | - |
| Tetrasodium Etidronate | 3794-83-0 | 5 - 10 | 01-21196479 55-23 | 223-267-7 | Acute Tox. 4 (Oral) (H302) Eye Irrit. 2 (H319) | Eye Irrit. 2 :: 30%≤C<100% | - | - |
| Trideceth-n | 69011-36-5 | 5 - 10 | No data available | - | Acute Tox. 4 (Oral) (H302) Eye Dam. 1 (H318) | - | - | - |
| PEG/PPG/Propylheptyl Ether | 166736-08-9 | 1 - 5 | No data available | 605-450-7 | Acute Tox. 4 (Oral) (H302) Skin Irrit. 2 (H315) | - | - | - |
| Disodium Disilicate | 13870-28-5 | 1 - 5 | 01-21194850 31-47 | 237-623-4 | Eye Dam. 1 (H318) | - | - | - |
| Alcohols, C13-15-branched and linear, butoxylated ethoxylated | 111905-53-4 | 1 - 5 | No data available | 601-137-4 | Acute Tox. 4 (Oral) (H302) Aquatic Acute 1 (H400) Aquatic | - | 1 | - |

| | | | | | | | | |
|----------|-----------|-------|----------------------|-----------|---|---|---|---|
| | | | | | Chronic 3 (H412) Eye Irrit. 2 (H319) | | | |
| Protease | 9014-01-1 | 0 - 1 | 01-21194804 34-38 | 232-752-2 | Acute Tox. 4 (Oral) (H302) Aquatic Acute 1 (H400) Aquatic Chronic 2 (H411) Eye Dam. 1 (H318) Resp. Sens. 1 (H334) Skin Irrit. 2 (H315) STOT SE 3 (H335) | - | 1 | - |

Full text of H- and EUH-phrases: see section 16

This product does not contain candidate substances of very high concern at a concentration $\geq 0.1\%$ (Regulation (EC) No. 1907/2006 (REACH), Article 59).

SECTION 4: First aid measures

4.1. Description of first aid measures

| | |
|---|---|
| General advice | Immediate medical attention is required. Show this safety data sheet to the doctor in attendance. |
| Inhalation | IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing. (Call a physician if symptoms occur). |
| Eye contact | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor. |
| Skin contact | IF ON SKIN: Wash with plenty of soap and water. Remove and isolate contaminated clothing and shoes. Immediately call a POISON CENTER or doctor/physician. Discontinue use of product. |
| Ingestion | IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Call a physician or poison control center immediately. Drink small amount of water to dilute. |
| Self-protection of the first aider | Avoid contact with skin, eyes or clothing. Wear personal protective clothing (see section 8). |

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

| | |
|-----------------|--|
| Symptoms | Coughing and/ or wheezing. Redness. Swelling of tissue. Itching. Sneezing. Dryness. Pain. Blurred vision. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. Excessive secretion. |
|-----------------|--|

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

| | |
|---------------------------|------------------------|
| Note to physicians | Treat symptomatically. |
|---------------------------|------------------------|

SECTION 5: Firefighting measures

5.1. Extinguishing media

| | |
|---------------------------------------|--|
| Suitable Extinguishing Media | Dry chemical. Alcohol resistant foam. Carbon dioxide (CO ₂). |
| Unsuitable extinguishing media | Do not scatter spilled material with high pressure water streams. |

5.2. Special hazards arising from the substance or mixture

| | |
|---|---------------------|
| Specific hazards arising from the chemical | None in particular. |
|---|---------------------|

5.3. Advice for firefighters

Special protective equipment and precautions for fire-fighters

Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions

Avoid contact with skin, eyes or clothing. Use personal protective equipment as required.

For emergency responders

Use personal protection recommended in Section 8.

6.2. Environmental precautions

Environmental precautions

See Section 12 for additional Ecological Information.

6.3. Methods and material for containment and cleaning up

Methods for containment

Scoop absorbed substance into closing containers.

Methods for cleaning up

Small quantities of solid spill: wash down with water. Large Spills: Scoop solid spill into closing containers. This material and its container must be disposed of in a safe way, and as per local legislation.

Prevention of secondary hazards

Clean contaminated objects and areas thoroughly observing environmental regulations.

6.4. Reference to other sections

Reference to other sections

See section 8 for more information. See section 13 for more information.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

Avoid contact with eyes. Use personal protection equipment. Do not eat, drink or smoke when using this product. Avoid generation of dust.

General hygiene considerations

Avoid contact with skin, eyes or clothing. Wear suitable gloves and eye/face protection. Do not eat, drink or smoke when using this product.

7.2. Conditions for safe storage, including any incompatibilities

Storage Conditions

Keep/store only in original container. Keep tightly closed in a dry and cool place. Keep away from heat.

7.3. Specific end use(s)

Specific use(s)

Cleaning/washing agents and additives.

Risk Management Methods (RMM)

The information required is contained in this Safety Data Sheet.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure Limits

| Chemical name | European Union | Austria | Belgium | Bulgaria | Croatia |
|------------------|----------------|---|---------------------------------------|---------------------------------------|--|
| Protease | - | - | - | - | TWA: 0.00004 mg/m ³ Sk* Respiratory Sensitisation |
| Chemical name | Cyprus | Czech Republic | Denmark | Estonia | Finland |
| Sodium Carbonate | - | TWA: 5 mg/m ³ Ceiling: 10 mg/m ³ | - | - | - |
| Protease | - | - | Ceiling: 0.00006 mg/m ³ | TWA: 1 glycine unit/m ³ | - |

| | | | | | |
|------------------|---|---|--|--|---|
| | | | | STEL: 3 glycine unit/m ³ S+ | |
| Chemical name | France | Germany TRGS | Germany DFG | Greece | Hungary |
| Protease | - | - | respiratory sensitizer | - | - |
| Chemical name | Ireland | Italy MDLPS | Italy AIDII | Latvia | Lithuania |
| Protease | TWA: 0.00006 mg/m ³ STEL: 0.00006 mg/m ³ Sens+ | - | Ceiling: 0.00006 mg/m ³ | - | - |
| Chemical name | Portugal | Romania | Slovakia | Slovenia | Spain |
| Sodium Carbonate | - | TWA: 1 mg/m ³ STEL: 3 mg/m ³ | - | - | - |
| Protease | Ceiling: 0.00006 mg/m ³ | - | - | - | STEL: 0.00006 mg/m ³ Sens+ |
| Chemical name | Sweden | Switzerland | United Kingdom | Israel - Occupational Exposure Limits - TWAs | Turkey |
| Protease | NGV: 1 glycine unit/m ³ Bindande KGV: 3 glycine unit/m ³ S+ | STEL: 0.00006 mg/m ³ S+ | TWA: 0.00004 mg/m ³ STEL: 0.00012 mg/m ³ Sens+ | - | - |

Biological occupational exposure limits

This product, as supplied, does not contain any hazardous materials with biological limits established by the region specific regulatory bodies.

Derived No Effect Level (DNEL) Long term.

| Chemical name | Worker - dermal, long-term - systemic | Worker - inhalative, long-term - systemic | Worker - dermal, long-term - local | Worker - inhalative, long-term - local |
|---------------------------|--|--|---------------------------------------|---|
| Sodium Carbonate Peroxide | - | - | 12.8 mg/cm ² | 5 mg/m ³ |
| Sodium Carbonate | - | - | - | 10 mg/m ³ |
| Tetrasodium Etidronate | 48 mg/kg bw/day | 16.9 mg/m ³ | - | 10 mg/m ³ |
| Disodium Disilicate | 318 mg/kg bw/day | 11.21 mg/m ³ | - | - |
| Protease | - | - | - | 0 mg/m ³ |

| Chemical name | Consumer - oral, long-term - local | Consumer - inhalative, long-term - local | Consumer - dermal, long-term - local |
|---------------------------|---------------------------------------|---|---|
| Sodium Carbonate Peroxide | - | - | 6.4 mg/cm ² |
| Sodium Carbonate | - | 5 mg/m ³ | - |
| Tetrasodium Etidronate | - | 10 mg/m ³ | - |
| Protease | - | 0 mg/m ³ | - |

| Chemical name | Consumer - oral, long-term - systemic | Consumer - inhalative, long-term - systemic | Consumer - dermal, long-term - systemic |
|------------------------|--|--|--|
| Tetrasodium Etidronate | 2.4 mg/kg bw | 4.2 mg/m ³ | 24 mg/kg bw/day |
| Disodium Disilicate | 1.59 mg/kg bw | 2.39 mg/m ³ | 159 mg/kg bw/day |
| Protease | 2.86 mg/kg bw | - | - |

Derived No Effect Level (DNEL) Short term.

| Chemical name | Worker - dermal, short-term - systemic | Worker - inhalative, short-term - systemic | Worker - dermal, short-term - local | Worker - inhalative, short-term - local |
|---------------------------|---|---|--|--|
| Sodium Carbonate Peroxide | - | - | 12.8 mg/cm ² | 12.8 mg/cm ² |
| Tetrasodium Etidronate | - | - | - | 10 mg/m ³ |

| Chemical name | Consumer - inhalative, short-term - local | Consumer - dermal, short-term - local |
|---------------------------|---|---------------------------------------|
| Sodium Carbonate Peroxide | - | 6.4 mg/cm ² |
| Sodium Carbonate | 10 mg/m ³ | - |
| Tetrasodium Etidronate | 10 mg/m ³ | - |

| Chemical name | Consumer - oral, short-term - systemic | Consumer - inhalative, short-term - systemic | Consumer - dermal, short-term - systemic |
|---------------|--|--|--|
| Protease | 17.28 mg/kg bw | - | - |

Predicted No Effect Concentration (PNEC)

| Chemical name | Fresh Water | Marine water | Intermittent release |
|---------------------------|-------------------------------|-------------------------------|-------------------------------|
| Sodium Carbonate Peroxide | 0.035 mg/L | 0.035 mg/L | 0.035 mg/L |
| Sodium Carbonate | no data; no toxicity expected | no data; no toxicity expected | no data; no toxicity expected |
| Tetrasodium Etidronate | 0.096 mg/L | 0.01 mg/L | - |
| Disodium Disilicate | 7.5 mg/L | 7.5 mg/L | - |
| Protease | 0.002 mg/L | 0 mg/L | 0.001 mg/L |

| Chemical name | Freshwater sediment | Marine sediment | Sewage treatment plant | Soil | Air | Oral |
|---------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|-----|------|
| Sodium Carbonate Peroxide | - | - | 16.24 mg/L | - | - | - |
| Sodium Carbonate | no data; no toxicity expected | no data; no toxicity expected | no data; no toxicity expected | no data; no toxicity expected | - | - |
| Tetrasodium Etidronate | 193 mg/kg dwt | 19.3 mg/kg dwt | 58 mg/L | 14 mg/kg dwt | - | - |
| Disodium Disilicate | 29.4 mg/kg dwt | 29.4 mg/kg dwt | 28 mg/L | 1.47 mg/kg dwt | - | - |
| Protease | - | - | 65 mg/L | 0.568 mg/kg dwt | - | - |

8.2. Exposure controls

Personal protective equipment

| | |
|--|--|
| Eye/face protection | Wear safety glasses with side shields (or goggles). |
| Hand protection | No special protective equipment required. |
| Skin and body protection | No special protective equipment required. |
| Respiratory protection | No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required. |
| General hygiene considerations | Avoid contact with skin, eyes or clothing. Wear suitable gloves and eye/face protection. Do not eat, drink or smoke when using this product. |
| Environmental exposure controls | Prevent that the undiluted product reaches surface waters. |

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

| | |
|-----------------------|---|
| Physical state | Solid |
| Appearance | dual-phase pouch: speckled powder with liquid top |
| Color | colored |
| Odor | Pleasant |
| Odor threshold | Not applicable |

| <u>Property</u> | <u>Values</u> | <u>Remarks • Method</u> |
|---|--------------------------|--|
| Melting point / freezing point | No data available | Not available. This property is not relevant for the safety and classification of this product |
| Initial boiling point and boiling range | No data available | Not available. This property is not relevant for the safety and classification of this product |
| Flammability | | Not applicable. This property is not relevant for liquid product forms |
| Flammability Limit in Air | | Not available. This property is not relevant for the safety and classification of this product |
| Upper flammability or explosive limits | No data available | |
| Lower flammability or explosive limits | No data available | |
| Flash point | No Data Available | Not available. This property is not relevant for the safety and classification of this product |
| Autoignition temperature | > 75 °C | UN Test H.4 |
| Decomposition temperature | No Data Available | Not available. This property is not relevant for the safety and classification of this product |
| pH | 10 - 11.4 | Liquid 6 – 8.5 |
| Dynamic viscosity | No Data Available | Not available. This property is not relevant for the safety and classification of this product |
| Water solubility | Soluble in water | |
| Solubility(ies) | No Data Available | Not available. This property is not relevant for the safety and classification of this product |
| Partition coefficient | No Data Available | Not available. This property is not relevant for the safety and classification of this product |
| Vapor pressure | No Data Available | Not available. This property is not relevant for the safety and classification of this product |
| Relative density | No Data Available | Not available. This property is not relevant for the safety and classification of this product |
| Relative vapor density | No data available | Not available. This property is not relevant for the safety and classification of this product |
| Particle characteristics | | Not available. This property is not relevant for the safety and classification of this product |
| Particle Size | No information available | |
| Particle Size Distribution | No information available | |

9.2. Other information

9.2.1. Information with regard to physical hazard classes
No information available

9.2.2. Other safety characteristics
No information available

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity No information available.

10.2. Chemical stability

Stability Stable under normal conditions.

Explosion data

Sensitivity to mechanical impact None.

Sensitivity to static discharge None.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions None under normal processing.

10.4. Conditions to avoid

Conditions to avoid None known based on information supplied.

10.5. Incompatible materials

Incompatible materials None known based on information supplied.

10.6. Hazardous decomposition products

Hazardous decomposition products None known based on information supplied.

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Information on likely routes of exposure

Product Information

| | |
|---------------------|---|
| Inhalation | Specific test data for the substance or mixture is not available. |
| Eye contact | Specific test data for the substance or mixture is not available. Causes serious eye damage. May cause irreversible damage to eyes. |
| Skin contact | Specific test data for the substance or mixture is not available. May cause irritation. |
| Ingestion | Specific test data for the substance or mixture is not available. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. |

Symptoms related to the physical, chemical and toxicological characteristics

Symptoms Redness. Burning. May cause blindness.

Numerical measures of toxicity

No information available

Acute toxicity

Component Information

| Chemical name | Oral LD50 | Dermal LD50 | Inhalation LC50 |
|---------------------------|----------------------|-------------------------|--------------------------------------|
| Sodium Carbonate Peroxide | 893 mg/kg (RAT) | 5001 mg/kg (RABBIT) | - |
| Sodium Carbonate | 2800 mg/kg (RAT) | 5001 mg/kg (RABBIT) | = 2300 mg/m ³ (Rat) 2 h |
| Tetrasodium Etidronate | = 990 mg/kg (Rat) | 5001 mg/kg (RABBIT) | - |
| Trideceth-n | > 2000 mg/kg (Rat) | = 5960 mg/kg (Rabbit) | > 1.6 mg/L (Rat) 4 h |
| Disodium Disilicate | 3150 mg/kg (RAT) | - | > 3.51 mg/L (Rat) 4 h |
| Protease | 1800 mg/kg (RAT) | - | - |

| Chemical name | Carcinogenicity | Species | Eye Damage | Species | Developmental toxicity | Species | Mutagenicity | Species |
|---------------------------|-----------------|---------|--------------|---------|------------------------|---------|----------------------------|---------|
| Sodium Carbonate Peroxide | - | - | Y (OECD 405) | - | - | - | - | - |
| Sodium Carbonate | - | - | OECD 405 | - | - | - | - | - |
| Tetrasodium Etidronate | - | - | OECD 405 | - | - | - | - | - |
| Disodium Disilicate | - | - | Y (OECD 405) | - | (> 200 mg/kg bw/d) | - | N (In vitro) & N (In vivo) | - |
| Protease | - | - | Y (OECD 405) | - | - | - | - | - |

| Chemical name | Reproductive toxicity | Species | Skin corrosion/irritation | Species | Sensitization | Species |
|---------------------|-----------------------|---------|---------------------------|---------|---------------|---------|
| Disodium Disilicate | (> 159 mg/kg bw/d) | - | N (OECD 404) | - | - | - |
| Protease | - | - | Y (OECD 404) | - | Y | - |

| Chemical name | Skin sensitization | Species | STOT - single exposure | STOT RE 1 target organ(s) | Species | STOT - repeated exposure | STOT RE 2 target organ(s) | Species | Aspiration hazard |
|---------------------|--------------------|---------|------------------------|---------------------------|---------|--------------------------|---------------------------|---------|-------------------|
| Disodium Disilicate | N (OECD 429) | - | - | - | - | - | - | - | - |
| Protease | - | - | (Y) | - | - | - | - | - | - |

Delayed and immediate effects as well as chronic effects from short and long-term exposure

| | |
|--|---------------------------------|
| Skin corrosion/irritation | Not applicable. |
| Serious eye damage/eye irritation | Risk of serious damage to eyes. |
| Respiratory or skin sensitization | Not applicable. |
| Germ cell mutagenicity | None known. |
| Carcinogenicity | None known. |
| Reproductive toxicity | None known. |
| STOT - single exposure | None known. |
| STOT - repeated exposure | None known. |
| Aspiration hazard | Not applicable. |

11.2. Information on other hazards

11.2.1. Endocrine disrupting properties

| | |
|--|---|
| Endocrine disrupting properties | There are no substances contained at or above the regulated value for declaration of >0.1% that fall under the definition of confirmed endocrine disruptors of any EU regulation. |
|--|---|

11.2.2. Other information

| | |
|------------------------------|-------------|
| Other adverse effects | None known. |
|------------------------------|-------------|

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

Not considered to be harmful to aquatic life. No known adverse effects on the functioning of water treatment plants under normal use conditions as recommended.

Acute toxicity

| Chemical name | Algae/aquatic plants | Fish | Toxicity to microorganisms | Crustacea |
|---------------------------|--|---|--|--|
| Sodium Carbonate Peroxide | - | 70.7 mg/L (Pimephales promelas; 48 h) | - | 4.9 mg/L (Daphnia pulex; 48 h) |
| Sodium Carbonate | 101 mg/L (algae, various) | 300 mg/L (Lepomis macrochirus; 96 h) | - | 215 mg/L (Ceriodaphnia sp.; 48 h) |
| Tetrasodium Etidronate | - | >= 200 mg/L (OECD 204; Oncorhynchus mykiss; 72 h) | 251 mg/L (IC0; DIN 38412-8; Photobacterium phosphoreum; 0.5 h) | 754 mg/L (OECD 202; Daphnia magna; 48 h) |
| Disodium Disilicate | 44.1 mg/L (OECD 201; Desmodesmus subspicatus; 72 h) | 500 mg/L (OECD 203; Danio rerio; 96 h) | 720 mg/L (OECD 209; activated sludge; 3 h) | 491 mg/L (OECD 202; Daphnia magna; 48 h) |
| Protease | 1.58 mg/L (OECD 201; Raphidocelis subcapitata; 72 h) | 15.6 mg/L (OECD 203; Oncorhynchus mykiss; 96 h) | - | 0.327 mg/L (OECD 202; Daphnia magna; 48 h) |

Chronic Toxicity

| Chemical name | Toxicity to algae (NOEC or ECx)* | Toxicity to fish (NOEC or ECx)* | Toxicity to daphnia and other aquatic invertebrates (NOEC or ECx)* | Toxicity to Microorganisms (NOEC or ECx)* | Toxicity to other organisms |
|---------------------------|--|---|--|---|---|
| Sodium Carbonate Peroxide | - | - | 2 mg/L (Daphnia pulex; 2 d) | - | - |
| Sodium Carbonate | 100 mg/L (algae, various) | - | - | - | - |
| Tetrasodium Etidronate | - | 60 mg/L (OECD 204; Oncorhynchus mykiss; 14 d) | 9.63 mg/L (EPA 66013-75-009; Daphnia magna; 28 d) | (200 mg/L (anaerobic sludge; 11 d)) | 286 (11 d) |
| Disodium Disilicate | 18 mg/L (OECD 201; Desmodesmus subspicatus; 3 d) | - | 250 mg/L (OECD 202; Daphnia magna; 2 d) | - | 2039 mg/kg diet (Meleagris gallopavo; 28 d) |
| Protease | 0.042 mg/L (OECD 201; Raphidocelis subcapitata; 3 d) | 0.15 mg/L (OECD 210; Pimephales promelas; 32 d) | 1.14 mg/L (OECD 211; Daphnia magna; 0.875 d) | - | - |

12.2. Persistence and degradability**Persistence and degradability**

| Chemical name | Ready Biodegradation Test (OECD 301) | Abiotic Degradation Hydrolysis | Abiotic Degradation Photolysis | Biodegradation Other Tests |
|---|--|--------------------------------|--------------------------------|----------------------------|
| Tetrasodium Etidronate | 22.9 % (ISO 5815; O2 consumption; 28 d) | - | - | 0.3 (70 d) |
| Trideceth-n | 60 % (OECD 301B) | - | - | - |
| Disodium Disilicate | Test waived: substance is inorganic. Ref: Section 9 - Column 2 of REACH Annex VII. | - | - | - |
| Alcohols, C13-15-branched and linear, butoxylated ethoxylated | 60 % (OESO 301B,28d) | - | - | - |
| Protease | 102 % (EPA OPPTS 835.3110; CO2 evolution; 29 d) | - | - | - |

12.3. Bioaccumulative potential**Bioaccumulation**

Component Information

| Chemical name | Partition coefficient |
|------------------------|-----------------------|
| Tetrasodium Etidronate | -3 |
| Protease | -3.1 |

| Chemical name | Octanol/water partition coefficient | Bioconcentration factor (BCF) |
|------------------------|-------------------------------------|-------------------------------|
| Tetrasodium Etidronate | -3 (OECD 107) | 71 |
| Protease | -1.3 (OECD 107) | - |

12.4. Mobility in soil

Mobility in soil

| Chemical name | log K _{oc} |
|------------------------|---------------------|
| Tetrasodium Etidronate | 16610 |

12.5. Results of PBT and vPvB assessment

PBT and vPvB assessment No information available.

| Chemical name | PBT and vPvB assessment |
|---------------------------|---------------------------------|
| Sodium Carbonate Peroxide | The substance is not PBT / vPvB |
| Sodium Carbonate | The substance is not PBT / vPvB |
| Tetrasodium Etidronate | The substance is not PBT / vPvB |
| Trideceth-n | The substance is not PBT / vPvB |
| Disodium Disilicate | PBT assessment does not apply |
| Protease | The substance is not PBT / vPvB |

12.6. Endocrine disrupting properties

Endocrine disrupting properties There are no substances contained at or above the regulated value for declaration of >0.1% that fall under the definition of confirmed endocrine disruptors of any EU regulation.

12.7. Other adverse effects

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste from residues/unused products

The waste codes/waste designations below are in accordance with EWC. Waste must be delivered to an approved waste disposal company. Waste is to be kept separate from other types of waste until its disposal. Do not throw waste product into the sewer. Where possible recycling is preferred to disposal or incineration. Empty, uncleaned packaging need the same disposal considerations as filled packaging. For handling waste, see measures described in section 8. Dispose of in accordance with local regulations.

Contaminated packaging

Do not reuse empty containers.

Waste codes / waste designations according to EWC

20 01 29* - detergents containing dangerous substances
15 01 10* - packaging containing residues of or contaminated by dangerous substances

SECTION 14: Transport information

IATA

| | |
|---------------------------------|----------------|
| 14.1 UN number or ID number | Not regulated |
| 14.2 UN proper shipping name | Not regulated |
| 14.3 Transport hazard class(es) | Not regulated |
| 14.4 Packing group | Not regulated |
| 14.5 Environmental hazards | Not applicable |

14.6 Special precautions for user

IMDG

| | |
|--|--------------------------|
| 14.1 UN number or ID number | Not regulated |
| 14.2 UN proper shipping name | Not regulated |
| 14.3 Transport hazard class(es) | Not regulated |
| 14.4 Packing group | Not regulated |
| 14.5 Environmental hazards | Not applicable |
| 14.6 Special precautions for user | |
| 14.7 Maritime transport in bulk according to IMO instruments | No information available |

RID

| | |
|-----------------------------------|----------------|
| 14.1 UN number or ID number | Not regulated |
| 14.2 UN proper shipping name | Not regulated |
| 14.3 Transport hazard class(es) | Not regulated |
| 14.4 Packing group | Not regulated |
| 14.5 Environmental hazards | Not applicable |
| 14.6 Special precautions for user | |
| Special Provisions | None |

ADR

| | |
|-----------------------------------|----------------|
| 14.1 UN number or ID number | Not regulated |
| 14.2 UN proper shipping name | Not regulated |
| 14.3 Transport hazard class(es) | Not regulated |
| 14.4 Packing group | Not regulated |
| 14.5 Environmental hazards | Not applicable |
| 14.6 Special precautions for user | |
| Special Provisions | None |

ADN

| | |
|---------------------------------|--------------------------|
| 14.1 UN number or ID number | Not relevant |
| 14.2 UN proper shipping name | Not regulated |
| 14.3 Transport hazard class(es) | No information available |
| 14.4 Packing group | Not relevant |
| 14.5 Marine pollutant | Not regulated |

SECTION 15: Regulatory information

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

National regulations

Germany

Water hazard class (WGK) obviously hazardous to water (WGK 2)

Netherlands

European Union

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work.

Authorizations and/or restrictions on use:

This product contains one or more substance(s) subject to restriction (Regulation (EC) No. 1907/2006 (REACH), Annex XVII) Regulation (EC) No. 648/2004 (Detergents regulation) Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP] Registration, Evaluation, Authorization, and Restriction of Chemicals (REACH) Regulation (EC 1907/2006)

| Chemical name | Restricted substance per REACH Annex XVII | Substance subject to authorization per REACH Annex XIV |
|---------------|---|--|
|---------------|---|--|

| | | |
|------------------|----|---|
| Sodium Carbonate | 75 | - |
| Protease | 75 | - |

Persistent Organic Pollutants

Not applicable

Ozone-depleting substances (ODS) Regulation (EU) 2024/590

Not applicable

Biocidal Products Regulation (EU) No 528/2012 (BPR)

| Chemical name | Biocidal Products Regulation (EU) No 528/2012 (BPR) |
|---------------------------|--|
| Sodium Carbonate Peroxide | Product-type 2: Disinfectants and algacides not intended for direct application to humans or animals Product-type 3: Veterinary hygiene Product-type 4: Food and feed area |

CESIO Recommendations

The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

15.2. Chemical safety assessment

Chemical Safety Report

No chemical safety assessment has been carried out for this mixture per REACH regulation.

SECTION 16: Other information

Key or legend to abbreviations and acronyms used in the safety data sheet

Full text of any hazard and/or precautionary statements referred to under Sections 2-15

H272 - May intensify fire; oxidizer
H302 - Harmful if swallowed
H315 - Causes skin irritation
H318 - Causes serious eye damage
H319 - Causes serious eye irritation
H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled
H335 - May cause respiratory irritation
H400 - Very toxic to aquatic life
H411 - Toxic to aquatic life with long lasting effects
H412 - Harmful to aquatic life with long lasting effects

Legend

SVHC: Substances of Very High Concern for Authorization:

Legend Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

| | | | |
|---------|-----------------------------|------|----------------------------------|
| TWA | TWA (time-weighted average) | STEL | STEL (Short Term Exposure Limit) |
| Ceiling | Maximum limit value | Sk* | Skin designation |

| Classification procedure | |
|---|--------------------|
| Classification according to Regulation (EC) No. 1272/2008 [CLP] | Method Used |
| Serious eye damage/eye irritation | Calculation method |

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Further information Salts listed in Section 3 without a REACH Registration number are exempt, based on Annex V.

Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH)

Disclaimer

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 given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet