



# 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-20201622-002_RET_CLPR7_EUR_SAW
Product Name	Fairy Professional All in 1 Platinum
Product Form	Mixture
Pure substance/mixture	Mixture

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

Recommended use	Intended for general public
Uses advised against	No information available
Main user category	SU 21 - Consumer uses: Private households (= general public = consumers)
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, 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 pgsds.im@pg.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

Regulation (EC) No 1272/2008

Serious eye damage/eye irritation	Category 1 - (H318)
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### 2.2. Label elements



### Signal word

Danger

### Hazard statements

H318 - Causes serious eye damage

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

P101 - If medical advice is needed, have product container or label at hand

P102 - Keep out of reach of children

P280 - Wear 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

P310 - Immediately call a POISON CENTER or doctor

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	Classification according to Regulation (EC) No. 1272/2008 [CLP]	Specific concentration limit (SCL)	M-Factor	M-Factor (long-term)
Sodium Carbonate	497-19-8	20 - 30	01-21194854 98-19	207-838-8	Eye Irrit. 2 (H319)	-	-	-
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<10 0% Eye Irrit. 2 :: 7.5%≤C<25 %	-	-
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<10 0%	-	-
Trideceth-n	69011-36-5	5 - 10	No data available	-	Acute Tox. 4 (Oral) (H302) Eye Dam. 1 (H318)	-	-	-
PPG/PEG/PPG-3/1 4.5/16 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)	-	-	-
Protease	9014-01-1	0 - 1	01-21194804	232-752-2	Acute Tox. 4	-	-	-

			34-38		(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)			
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**Full text of H- and EUH-phrases: see section 16**

Acute Toxicity Estimate  
No information available

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

<b>General advice</b>	Immediate medical attention is required. Show this safety data sheet to the doctor in attendance.
<b>Inhalation</b>	Remove to fresh air. Get medical attention immediately if symptoms occur.
<b>Eye contact</b>	Get immediate medical advice/attention. Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Keep eye wide open while rinsing. Do not rub affected area.
<b>Skin contact</b>	Wash off immediately with soap and plenty of water for at least 15 minutes. Get medical attention if irritation develops and persists. Discontinue use of product.
<b>Ingestion</b>	Clean mouth with water and drink afterwards plenty of water. Never give anything by mouth to an unconscious person. Do NOT induce vomiting. Call a physician. Drink small amount of water to dilute.
<b>Self-protection of the first aider</b>	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

<b>Symptoms</b>	Burning sensation. Sneezing. Dryness. Pain. Blurred vision. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. Excessive secretion.
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### 4.3. Indication of any immediate medical attention and special treatment needed

<b>Note to physicians</b>	Treat symptomatically.
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## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

<b>Suitable Extinguishing Media</b>	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
<b>Unsuitable extinguishing media</b>	Do not scatter spilled material with high pressure water streams.

### 5.2. Special hazards arising from the substance or mixture

<b>Specific hazards arising from the chemical</b>	No information available.
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### 5.3. Advice for firefighters

<b>Special protective equipment for fire-fighters</b>	Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.
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## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

<b>Personal precautions</b>	Avoid contact with skin, eyes or clothing. Use personal protective equipment as required.
<b>Other information</b>	Refer to protective measures listed in Sections 7 and 8.
<b>For emergency responders</b>	Use personal protection recommended in Section 8.

### 6.2. Environmental precautions

<b>Environmental precautions</b>	Prevent further leakage or spillage if safe to do so.
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### 6.3. Methods and material for containment and cleaning up

<b>Methods for containment</b>	Scoop absorbed substance into closing containers.
<b>Methods for cleaning up</b>	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.
<b>Prevention of secondary hazards</b>	Clean contaminated objects and areas thoroughly observing environmental regulations.

### 6.4. Reference to other sections

<b>Reference to other sections</b>	See section 8 for more information. See section 13 for more information.
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## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

<b>Advice on safe handling</b>	Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Do not eat, drink or smoke when using this product.
<b>General hygiene considerations</b>	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

<b>Storage Conditions</b>	Keep containers tightly closed in a dry, cool and well-ventilated place. Keep out of the reach of children.
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### 7.3. Specific end use(s)

<b>Specific use(s)</b>	Cleaning/washing agents and additives.
<b>Risk Management Methods (RMM)</b>	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 <sup>3</sup> * Respiratory Sensitisation
Chemical name	Cyprus	Czech Republic	Denmark	Estonia	Finland
Sodium Carbonate	-	TWA: 5 mg/m <sup>3</sup> Ceiling: 10 mg/m <sup>3</sup>	-	-	-
Protease	-	-	Ceiling: 0.00006 mg/m <sup>3</sup>	TWA: 1 glycine unit/m <sup>3</sup> STEL: 3 glycine unit/m <sup>3</sup>	-
Chemical name	France	Germany	Germany DFG	Greece	Hungary
Protease	-	-	respiratory sensitizer	-	-

Chemical name	Ireland	Italy	Italy REL	Latvia	Lithuania
Protease	TWA: 0.00006 mg/m <sup>3</sup> STEL: 0.00006 mg/m <sup>3</sup> Sensitizer	-	Ceiling: 0.00006 mg/m <sup>3</sup>	-	-
Chemical name	Portugal	Romania	Slovakia	Slovenia	Spain
Sodium Carbonate	-	TWA: 1 mg/m <sup>3</sup> STEL: 3 mg/m <sup>3</sup>	-	-	-
Protease	Ceiling: 0.00006 mg/m <sup>3</sup>	-	-	-	STEL: 0.00006 mg/m <sup>3</sup> sensitizer
Chemical name	Sweden	Switzerland	United Kingdom	Israel - Occupational Exposure Limits - TWAs	Turkey
Protease	NGV: 1 glycine unit/m <sup>3</sup> Bindande KGV: 3 glycine unit/m <sup>3</sup> Sensitizer	STEL: 0.00006 mg/m <sup>3</sup>	TWA: 0.00004 mg/m <sup>3</sup> STEL: 0.00012 mg/m <sup>3</sup> Sen+	-	-

#### 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	-	-	-	10 mg/m <sup>3</sup>
Sodium Carbonate Peroxide	-	-	12.8 mg/cm <sup>2</sup>	5 mg/m <sup>3</sup>
Tetrasodium Etidronate	48 mg/kg bw/day	16.9 mg/m <sup>3</sup>	-	10 mg/m <sup>3</sup>
Disodium Disilicate	318 mg/kg bw/day	11.21 mg/m <sup>3</sup>	-	-
Protease	-	-	-	0 mg/m <sup>3</sup>

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

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 <sup>3</sup>	24 mg/kg bw/day
Disodium Disilicate	1.59 mg/kg bw	2.39 mg/m <sup>3</sup>	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 <sup>2</sup>	12.8 mg/cm <sup>2</sup>
Tetrasodium Etidronate	-	-	-	10 mg/m <sup>3</sup>

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

Chemical name	Consumer - oral, short-term - systemic	Consumer - inhalative, short-term - systemic	Consumer - dermal, short-term - systemic
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Protease	17.28 mg/kg bw	-	-
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**Predicted No Effect Concentration (PNEC)** No information available.

Chemical name	Fresh Water	Marine water	Intermittent release
Sodium Carbonate	no data; no toxicity expected	no data; no toxicity expected	no data; no toxicity expected
Sodium Carbonate Peroxide	0.035 mg/L	0.035 mg/L	0.035 mg/L
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	no data; no toxicity expected	no data; no toxicity expected	no data; no toxicity expected	no data; no toxicity expected	-	-
Sodium Carbonate Peroxide	-	-	16.24 mg/L	-	-	-
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** Tight sealing safety goggles.

**Hand protection** Wear suitable gloves.

**Skin and body protection** Wear suitable protective clothing.

**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

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

Property	Values
<b>Melting point / freezing point</b>	No data available

**Initial boiling point and boiling range** No data available

**Flammability**

**Remarks • Method**  
Not available. This property is not relevant for the safety and classification of this product  
Not available. This property is not relevant for the safety and classification of this product  
Not applicable. This property is not relevant for solid product forms  
Not applicable. This property is not relevant for liquid product forms

<b>Flammability Limit in Air</b>		Not available. This property is not relevant for the safety and classification of this product No Data Available
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 Not applicable. This property is not relevant for solid product forms
Autoignition temperature	> 75 °C	UN Test H.1: United States SADT test
Decomposition temperature	No Data Available	Not available. This property is not relevant for the safety and classification of this product
pH	10	Liquid 6 - 8.5
Dynamic viscosity	No Data Available	Not applicable
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 applicable. This property is not relevant for solid product forms
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 applicable. This property is not relevant for solid product forms
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 Strong acids. Strong bases. Strong oxidizing agents.

### 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

<b>Inhalation</b>	Specific test data for the substance or mixture is not available.
<b>Eye contact</b>	Specific test data for the substance or mixture is not available. Causes serious eye damage. May cause irreversible damage to eyes.
<b>Skin contact</b>	Specific test data for the substance or mixture is not available. May cause irritation.
<b>Ingestion</b>	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	2800 mg/kg (RAT)	5001 mg/kg (RABBIT)	= 2300 mg/m <sup>3</sup> ( Rat ) 2 h
Sodium Carbonate Peroxide	893 mg/kg (RAT)	5001 mg/kg (RABBIT)	-
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	-	-	OECD 405	-	-	-	-	-
Sodium Carbonate Peroxide	-	-	Y (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	Target Organs	Species	STOT - repeated exposure	Target Organs	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

<b>Skin corrosion/irritation</b>	May cause skin irritation.
<b>Serious eye damage/eye irritation</b>	Classification based on data available for ingredients. Causes burns.
<b>Respiratory or skin sensitization</b>	Not applicable.
<b>Germ cell mutagenicity</b>	None known.
<b>Carcinogenicity</b>	None known.
<b>Reproductive toxicity</b>	None known.
<b>STOT - single exposure</b>	None known.
<b>STOT - repeated exposure</b>	None known.
<b>Aspiration hazard</b>	Not applicable.

#### 11.2. Information on other hazards

##### 11.2.1. Endocrine disrupting properties

<b>Endocrine disrupting properties</b>	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.
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##### 11.2.2. Other information

<b>Other adverse effects</b>	None known.
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## **SECTION 12: Ecological information**

#### 12.1. Toxicity

<b>Ecotoxicity</b>	No known adverse effects on the functioning of water treatment plants under normal use conditions as recommended.
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Chemical name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Sodium Carbonate	101 mg/L (algae, various)	300 mg/L (Lepomis)	-	215 mg/L (Ceriodaphnia)

		macrochirus; 96 h)		sp.; 48 h)
Sodium Carbonate Peroxide	-	70.7 mg/L (Pimephales promelas; 48 h)	-	4.9 mg/L (Daphnia pulex; 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	100 mg/L (algae, various)	-	-	-	-
Sodium Carbonate Peroxide	-	-	2 mg/L (Daphnia pulex; 2 d)	-	-
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)
Disodium Disilicate	Test waived: substance is inorganic. Ref: Section 9 - Column 2 of REACH Annex VII.	-	-	-
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 Koc
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	The substance is not PBT / vPvB
Sodium Carbonate Peroxide	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.

**Contaminated packaging** Do not reuse empty containers.

**Waste codes / waste designations according to EWC / AVV** 07 06 01

# 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

<b>Special Provisions</b>	None
<b>ADR</b>	
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	
<b>Special Provisions</b>	None

<b>ADN</b>	
14.1 UN number or ID number	Not relevant
14.2 Extended 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

##### Poland

Announcement of the Speaker of the Sejm of the Republic of Poland of 13 April 2018 regarding the publication of a uniform text of the Act - Labor Code (Journal of Laws 2018, item 917, as amended). Announcement of the Speaker of the Sejm of the Republic of Poland of March 15, 2019 regarding the publication of a uniform text of the Act on Waste (Journal of Laws 2019 item 701, as amended). Regulation of the Minister of Development of 7 July 2016, repealing the Regulation on specific requirements for certain products due to their negative environmental impact (Journal of Laws of 2016, item 1099, as amended). Regulation of the Minister of Family, Labor and Social Policy of June 12, 2018 regarding the highest permissible concentrations and intensities of factors harmful to health in the work environment (Journal of Laws of 2018, item 1286 with subsequent amendments).

##### 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 (EC) 1005/2009

Not applicable

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

**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 H-Statements referred to under section 3**

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

**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.

**This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006**

**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**