

Safety Data Sheet

according to Regulation (EC) No. 453/2010

Date of issue: 27/01/2015 Revision date: : Version: 1.0

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

1.1. Product identifier

Product form : Mixture

Trade name : P&G Professional FAIRY Non Bio

Product code : PA00185115
Product group : Trade product

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

1.2.1. Relevant identified uses

Main use category : Professional use

Function or use category : Washing and cleaning products (including solvent based products)

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Procter & Gamble UK Brooklands, Weybridge, Surrey, KT13 0XP, UK

Tel: 01932 896000 Fax: 01932 896200

Professional: customerservice@pgprof.com

1.4. Emergency telephone number

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

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

Eye Irrit. 2 H319

Full text of H-phrases: see section 16

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

Xi; R36

Full text of R-phrases: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

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

Hazard pictograms (CLP)

Signal word (CLP) : Warning

Hazard statements (CLP) : H319 - Causes serious eye irritation

Precautionary statements (CLP) : P101 - If medical advice is needed, have product container or label at hand

P102 - Keep out of reach of children

P301+P312 - IF SWALLOWED: call a POISON CENTER or doctor/physician if you feel unwell P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove

contact lenses, if present and easy to do. Continue rinsing P337+P313 - If eye irritation persists: Get medical advice/attention

2.3. Other hazards

Other hazards not contributing to the

: No presence of PBT and vPvB ingredients.

classification

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

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3.2. Mixture

Name	Product identifier	%	Classification according to Directive 67/548/EEC	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Sodium Carbonate	(CAS No) 497-19-8 (EC no) 207-838-8 (EC index no) 011-005-00-2 (REACH-no) 01-2119485498-19	20 - 30	Xi; R36	Eye Irrit. 2, H319
Sodium Carbonate Peroxide	(CAS No) 15630-89-4 (EC no) 239-707-6 (REACH-no) 01-2119457268-30	10 - 20	O; R8 Xn; R22 Xi; R41	Ox. Sol. 3, H272 Acute Tox. 4 (Oral), H302 Eye Dam. 1, H318
Sodium C10-13 Alkyl Benzenesulfonate	(CAS No) 68411-30-3 (EC no) 270-115-0 (REACH-no) 01-2119489428-22	10 - 20	Xn; R22 Xi; R41 Xi; R38	Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Eye Dam. 1, H318 Aquatic Chronic 3, H412
Sodium Silicate	(CAS No) 1344-09-8 (EC no) 215-687-4 (REACH-no) 01-2119448725-31	5 - 10	Xi; R41 Xi; R37/38	Skin Irrit. 2, H315 Eye Dam. 1, H318 STOT SE 3, H335
Sodium C12-15 Pareth Sulfate	(CAS No) 91648-56-5 (EC no) 293-918-8	1 - 5	Xi; R41 Xi; R38	Skin Irrit. 2, H315 Eye Dam. 1, H318 Aquatic Chronic 3, H412
Citric Acid	(CAS No) 77-92-9 (EC no) 201-069-1 (REACH-no) 01-2119457026-42	1 - 5	Xi; R36	Eye Irrit. 2, H319
C14-15 Pareth-n	(CAS No) 68951-67-7 (EC no) Polymer	<1	Xn; R22 Xi; R41 N; R50	Acute Tox. 4 (Oral), H302 Eye Dam. 1, H318 Aquatic Acute 1, H400 Aquatic Chronic 3, H412

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

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures after inhalation : IF INHALED: remove victim to fresh air and keep at rest in a position comfortable for breathing.

Call a POISON CENTER or doctor/physician if you feel unwell.

First-aid measures after skin contact : IF ON SKIN: Wash with plenty of soap and water. Remove/Take off immediately all

contaminated clothing. If skin irritation occurs: Get immediate medical advice/attention.

Discontinue use of product.

First-aid measures after 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/physician.

: IF SWALLOWED: rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER

or doctor/physician.

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

Symptoms/injuries after inhalation : Coughing. sneezing.

Symptoms/injuries after skin contact : Redness. Swelling. dryness. Itching.

Symptoms/injuries after eye contact : Severe pain. Redness. Swelling. Blurred vision.

Symptoms/injuries after ingestion : Oral mucosal or gastro-intestinal irritation. Nausea. Vomiting. Excessive secretion. Diarrhoea.

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

Refer to section 4.1.

SECTION 5: Firefighting measures

5.1. Extinguishing media

First-aid measures after ingestion

Suitable extinguishing media : Dry chemical powder, alcohol-resistant foam, carbon dioxide (CO2).

5.2. Special hazards arising from the substance or mixture

Fire hazard : No fire hazard. Non combustible. Explosion hazard : Product is not explosive.

Reactivity : No dangerous reactions known.

5.3. Advice for firefighters

Firefighting instructions : No specific firefighting instructions required.

Protection during firefighting : In case of inadequate ventilation wear respiratory protection.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Protective equipment : Wear suitable gloves and eye/face protection.

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6.1.2. For emergency responders

Protective equipment : Wear suitable gloves and eye/face protection.

6.2. Environmental precautions

Consumer products ending up down the drain after use. Prevent soil and water pollution. Prevent spreading in sewers.

6.3. Methods and material for containment and cleaning up

For containment : Scoop solid spill 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.

Other information : Avoid contact with skin, eyes and clothing.

6.4. Reference to other sections

Refer to Sections 8 and 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Avoid contact with eyes. Use personal protective equipment as required. Avoid raising dust. Do not eat, drink or smoke when using this product. Do not handle until all safety precautions have

been read and understood.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Store in original container. Refer to section 10.

Incompatible products : Refer to section 10.
Incompatible materials : Not applicable.
Prohibitions on mixed storage : Not applicable.

Storage area : Store in a cool area. Store in a dry area. Store away from heat.

7.3. Specific end use(s)

Cleaning/washing agents and additives.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1. National limit values

No additional information available

8.1.2. Monitoring procedures: DNELS, PNECS, OEL

Citric Acid (77-92-9)		
PNEC (Water)		
PNEC aqua (freshwater)	0.44 mg/l	
PNEC aqua (marine water)	0.044 mg/l	
PNEC (Sediment)		
PNEC sediment (freshwater)	34.6 mg/kg dwt	
PNEC sediment (marine water)	3.46 mg/kg dwt	
PNEC (Soil)		
PNEC soil	33.1 mg/kg dwt	
PNEC (STP)		
PNEC sewage treatment plant	1000 mg/l	

Sodium Carbonate (497-19-8)		
DNEL/DMEL (Workers)		
Long-term - local effects, inhalation	10 mg/m³	
DNEL/DMEL (General population)		
Acute - local effects, inhalation	10 mg/m³	

Sodium C10-13 Alkyl Benzenesulfonate (68411-30-3)		
DNEL/DMEL (Workers)		
Long-term - systemic effects, dermal	170 mg/kg bodyweight/day	
Long-term - systemic effects, inhalation	12 mg/m ³	
Long-term - local effects, inhalation 12 mg/m³		
DNEL/DMEL (General population)		
Long-term - systemic effects,oral	0.85 mg/kg bodyweight/day	
Long-term - systemic effects, inhalation	3 mg/m³	

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Sodium C10-13 Alkyl Benzenesulfonate (68411-30-3)	
Long-term - systemic effects, dermal	85 mg/kg bodyweight/day
Long-term - local effects, inhalation	3 mg/m³
PNEC (Water)	
PNEC aqua (freshwater)	0.268 mg/l
PNEC aqua (marine water)	0.0268 mg/l
PNEC aqua (intermittent, freshwater)	0.0167 mg/l
PNEC (Sediment)	
PNEC sediment (freshwater)	8.1 mg/kg dwt
PNEC sediment (marine water)	8.1 mg/kg dwt
PNEC (Soil)	
PNEC soil	35 mg/kg dwt
PNEC (STP)	
PNEC sewage treatment plant	3.43 mg/l

Sodium Silicate (1344-09-8)		
DNEL/DMEL (Workers)		
Long-term - systemic effects, dermal	1.59 mg/kg bodyweight/day	
Long-term - systemic effects, inhalation	5.61 mg/m³	
DNEL/DMEL (General population)		
Long-term - systemic effects,oral	0.8 mg/kg bodyweight/day	
Long-term - systemic effects, inhalation	1.38 mg/m³	
Long-term - systemic effects, dermal	0.8 mg/kg bodyweight/day	
PNEC (Water)		
PNEC aqua (freshwater)	7.5 mg/l	
PNEC aqua (marine water)	1 mg/l	
PNEC aqua (intermittent, freshwater)	7.5 mg/l	
PNEC (STP)		
PNEC sewage treatment plant	348 mg/l	

Sodium Carbonate Peroxide (15630-89-4)	
DNEL/DMEL (Workers)	
Acute - local effects, dermal	12.8 mg/cm²
Long-term - local effects, dermal	12.8 mg/kg bodyweight/day
Long-term - local effects, inhalation	5 mg/m³
DNEL/DMEL (General population)	
Acute - local effects, dermal	6.4 mg/cm ²
Long-term - local effects, dermal	6.4 mg/cm ²
PNEC (Water)	
PNEC aqua (freshwater)	0.035 mg/l
PNEC aqua (marine water)	0.035 mg/l
PNEC aqua (intermittent, freshwater)	0.035 mg/l
PNEC (STP)	
PNEC sewage treatment plant	16.24 mg/l

8.2. Exposure controls

8.2.1. Appropriate engineering controls : Not applicable.

8.2.2. Personal protective equipment

Protective personal equipment only required in case of professional use or for large packs (not for household packs). For consumer use please follow recommendation as indicated on the label of the product.

Hand protection : Not applicable.

Eye protection : Wear eye/face protection.

Skin and body protection : Not applicable.

Respiratory protection : Not applicable.

8.2.3. Environmental exposure controls

Not available

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SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Property	Value	Unit	Test method/Notes
Appearance	Solid.		
Physical state	Solid		
Colour	White with coloured speckles.		
Odour	pleasant (perfume).		
Odour threshold	No data available		
рН	10.54		
Melting point	No data available		
Freezing point	No data available		
Boiling point	No data available		
Flash point	No data available		
Relative evaporation rate (butylacetate=1)	No data available		
Flammability (solid, gas)	No data available		
Explosive limits	No data available		
Vapour pressure	No data available		
Relative density	No data available		
Solubility	Soluble in water.		
Log Pow	No data available		
Auto-ignition temperature	No data available		
Decomposition temperature	No data available		
Viscosity	No data available		
Explosive properties	No additional information available		
Oxidising properties	No additional information available)	

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

No dangerous reactions known.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

Refer to section 10.1 on Reactivity.

10.4. Conditions to avoid

Not required for normal conditions of use.

10.5. Incompatible materials

Not applicable.

10.6. Hazardous decomposition products

None under normal use.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Not classified

P&G Professional FAIRY Non Bio		
LD50 oral calculated	> 2000 mg/kg	
Citric Acid (77-92-9)		
Old to Avia (11-72-7)		
LD50 oral rat	5400 mg/kg bodyweight //OECD 401	
LD50 dermal rat	> 2000 mg/kg OECD 402	
ATE CLP (oral)	5400 mg/kg bodyweight	

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Other information

according to Regulation (EC) No. 453/2010			
Citric Acid (77-92-9)			
ATE CLP (dermal)	2001 mg/kg bodyweight		
Sodium Carbonate (497-19-8)			
LD50 oral rat	2800 mg/kg		
LD50 dermal rabbit	2001 mg/kg		
ATE CLP (oral)	2800 mg/kg bodyweight		
ATE CLP (dermal)	2001 mg/kg bodyweight		
Sodium C10-13 Alkyl Benzenesulfonate (684	11-30-3)		
LD50 oral rat	1080 mg/kg bodyweight OECD 401		
LD50 dermal rat	> 2000 mg/kg bodyweight OECD 402		
ATE CLP (oral)	1080 mg/kg bodyweight		
ATE CLP (dermal)	2001 mg/kg bodyweight		
Sodium Silicate (1344-09-8)			
LD50 oral rat	3400 mg/kg OECD 401		
LD50 dermal rat	5000 mg/kg		
LC50 inhalation rat (mg/l)	5.01 mg/l		
ATE CLP (oral)	3400 mg/kg bodyweight		
ATE CLP (dermal)	5000 mg/kg bodyweight		
ATE CLP (vapours)	5.010 mg/l/4h		
ATE CLP (dust,mist)	5.010 mg/l/4h		
Sodium Carbonate Peroxide (15630-89-4)			
LD50 oral rat	893 mg/kg US EPA 1984		
LD50 dermal rabbit	2001 mg/kg US EPA		
ATE CLP (oral)	893 mg/kg bodyweight		
ATE CLP (dermal)	2001 mg/kg bodyweight		
C14-15 Pareth-n (68951-67-7)			
LD50 oral rat	> 300 mg/kg		
LD50 dermal rat	> 2000 mg/kg		
ATE CLP (oral)	500 mg/kg bodyweight		
ATE CLP (dermal)	2001 mg/kg bodyweight		
Skin corrosion/irritation	: Not classified		
	pH: 10.54		
Serious eye damage/irritation	: Causes serious eye irritation.		
•	pH: 10.54		
Respiratory or skin sensitisation	: Not classified		
Germ cell mutagenicity	: Not classified		
Carcinogenicity	: Not classified		
Sodium C10.13 Alkyl Bonzonosylfonato (694)	11.20.2)		
Sodium C10-13 Alkyl Benzenesulfonate (684' NOAEL (chronic, oral, animal/male, 2 years)	350 mg/kg bodyweight		
NOAEL (chronic, oral, animal/female, 2 years)	350 mg/kg bodyweight		
Reproductive toxicity	: Not classified		
Specific target organ toxicity (single exposure)	: Not classified		
Specific target organ toxicity (repeated exposure)	: Not classified		
Aspiration hazard	: Not classified		
Potential Adverse human health effects and symptoms	: Acute Toxicity: based upon available data of the substances, classification criteria are not met. Carcinogenicity: based upon available data of the substances, classification criteria are not met. Corrosivity: based upon available data of the substances, classification criteria are not met. Irritation: severly irritant to eyes. Mutagenicity: based upon available data of the substances, classification criteria are not met. Repeated Dose Toxicity: based upon available data of the substances, classification criteria are not met. Sensitization: based upon available data of the substances, classification criteria are not met. Toxicity for Reproduction: based upon available data of the substances, classification criteria are not met.		
Other information	. Plack and the of a management like and a second for the Effect of the state of the A		

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: Likely routes of exposure: skin and eye. Information on Effects: refer to section 4.

Bioaccumulative potential

Bioaccumulative potential

Sodium Silicate (1344-09-8) Bioaccumulative potential

BCF fish 1

Log Pow

Sodium C10-13 Alkyl Benzenesulfonate (68411-30-3)

SECTION 12: Ecological informa	ation
12.1. Toxicity	
Ecology - general	: No known adverse effects on the functioning of water treatment plants under normal use conditions as recommended. The product is not considered harmful to aquatic organisms nor cause long-term adverse effects in the environment.
Citric Acid (77-92-9)	
LC50 fishes 1	440 ml/l //OECD 203, Leuciscus idus melanotus
EC50 Daphnia 1	1535 mg/l Daphnia magna
NOEC chronic algae	4425 mg/l Scenedesmus quadricauda
Sodium Carbonate (497-19-8)	
LC50 fishes 1	300 mg/l
EC50 Daphnia 1	200 mg/l
Sodium C10-13 Alkyl Benzenesulfonat	e (68411-30-3)
LC50 fishes 1	1.67 mg/l US EPA 850.1075; Lepomis macrochirus; 96 h
EC50 Daphnia 1	2.9 mg/l OECD 202; Daphnia magna; 48 h
ErC50 (algae)	127.9 mg/l 88/302/EWG; Desmodesmus subspicatus; 72 h
NOEC chronic fish	0.23 mg/l Oncorhynchus mykiss; 72 d
NOEC chronic crustacea	0.5 mg/l Ceriodaphnia sp.; 7 d
NOEC chronic algae	2.4 mg/l 88/302/EWG; Desmodesmus subspicatus; 3 d
Sodium Silicate (1344-09-8)	
LC50 fishes 1	1108 mg/l OECD 203, Brachydanio rerio,
EC50 Daphnia 1	1700 mg/l Daphnia magna
EC50 other aquatic organisms 1	> 348 mg/l Pseudomonas putida
ErC50 (algae)	207 mg/l Scenedesmus subspicatus
Sodium Carbonate Peroxide (15630-89	-4)
LC50 fishes 1	70.7 mg/l Pimephales promelas; 96 h
EC50 Daphnia 1	4.9 mg/l Daphnia pulex; 48 h
NOEC chronic crustacea	2 mg/l
C14-15 Pareth-n (68951-67-7)	
LC50 fishes 1	< 1 mg/l
LC50 other aquatic organisms 1	> 100 mg/l
EC50 Daphnia 1	< 1 mg/l
ErC50 (algae)	< 1 mg/l
12.2. Persistence and degradability	
Citric Acid (77-92-9)	
Persistence and degradability	Biodegradable.
Biodegradation	100 % OECD 301 E
Sodium C10-13 Alkyl Benzenesulfonat	e (68411-30-3)
Persistence and degradability	Biodegradable.
Biodegradation	85 % OECD 301 B
C14-15 Pareth-n (68951-67-7)	
Persistence and degradability	The substance is biodegradable. Unlikely to persist.
12.3. Bioaccumulative potential	
•	
Citric Acid (77-92-9)	
Log Pow	-1.55

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2 - 1000 l/kg

Not measured.

1.4 OECD 123; 23 °C; pH: 6.1

Not expected to bioaccumulate due to the low log Kow (log Kow < 4).

Not expected to bioaccumulate due to the low log Kow (log Kow < 4).

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Sodium Carbonate Peroxide (15630-89-4)		
Bioaccumulative potential Not measured.		
C14-15 Pareth-n (68951-67-7)		
Bioaccumulative potential	Not measured.	

12.4. Mobility in soil

Sodium C10-13 Alkyl Benzenesulfonate (68411-30-3)	
Log Koc	3.5

12.5. Results of PBT and vPvB assessment

P&G Professional FAIRY Non Bio	
Results of PBT assessment	No presence of PBT and vPvB ingredients
Component	
Tetrasodium Etidronate (3794-83-0)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII
Brightener 15 (16090-02-1)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII
Citric Acid (77-92-9)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII
Dodecylbenzene Sulfonic Acid (85536-14-7)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII
Sodium C10-13 Alkyl Benzenesulfonate (68411-30-3)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII
Sodium Silicate (1344-09-8)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII
Sodium Carbonate Peroxide (15630-89-4)	PBT: not relevant – no registration required
Sodium Metaborate (7775-19-1)	PBT: not relevant – no registration required vPvB: not relevant – no registration required
Zeolite (1318-02-1)	PBT: not relevant – no registration required vPvB: not relevant – no registration required
TAED (10543-57-4)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII
Sulfuric Acid (7664-93-9)	PBT: not relevant – no registration required vPvB: not relevant – no registration required

12.6. Other adverse effects

Other information : No other effects known.

SECTION 13: Disposal considerations

SECTION 13: Disposal considerations		
13.1.	Waste treatment methods	
13.1.1.	Regional legislation (waste)	: Disposal must be done according to official regulations.
13.1.2	Disposal recommendations	: The waste codes/waste designations below are in accordance with EWC. Waste must be delivered to an approved waste disposal company. The 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 For handling waste, see measures described in section 7. Empty, uncleaned packaging need the same disposal considerations as filled packaging.
13.1.3	EURAL Waste code product	 20 01 29* - detergents containing dangerous substances 15 01 10* - packaging containing residues of or contaminated by dangerous substances

SECTION 14: Transport information

14.1. UN number	
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Not applicable

14.2. UN proper shipping name

Not applicable

14.3. Transport hazard class(es)

Not applicable

14.4. Packing group

Not applicable

14.5. Environmental hazards

Not applicable

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14.6. Special precautions for user

Not applicable

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

SECTION 15: Regulatory information

Ingredient label

: 15-30% Oxygen-based bleaching agents; 5-15% Anionic surfactants; <5% Non-ionic surfactants, Phosphonates, Polycarboxylates, Zeolites; Optical brighteners, Perfumes.

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

15.1.1. EU-Regulations

No REACH Annex XVII restrictions

Contains no substance on the REACH candidate list

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.

15.1.2. National regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

16.1. Indication of changes

Indication of changes : Not applicable

16.2. Abbreviations and acronyms

No additional information available

Acute Toy 4 (Oral)

16.3. Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]

Acute toxicity (oral) Category 4

Classification according to Regulation (EC) No. 1272/2008 [CLP]	classification procedure
Eye Irrit. 2	On basis of test data

16.4. Relevant R-phrases and/or H-statements (number and full text) for mixture and substances

Aquatic Acute 1 Hazardous to the aquatic environment — AcuteHazard, Category 1 Aquatic Chronic 3 Hazardous to the aquatic environment — Chronic Hazard, Category 3 Eye Dam. 1 Serious eye damage/eye irritation, Category 2 Ox. Sol. 3 Oxidising Solids, Category 3 Skin Irrit. 2 Skin corrosion/irritation, Category 2 STOT SE 3 Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation H272 May intensify fire; oxidiser H302 Harmful if swallowed H315 Causes skin irritation H318 Causes serious eye irritation H335 May cause respiratory irritation H400 Very toxic to aquatic life H412 Harmful to aquatic life with long lasting effects R22 Harmful if swallowed R36 Irritating to eyes R37/38 Irritating to eyes R37/38 Irritating to skin R41 Risk of serious damage to eyes R50 Very toxic to aquatic organisms R8 Contact with combustible material may cause fire N Dangerous for the environment O O Oxidising Irritating Irritating Irritating Irritating to even contact with combustible material may cause fire Irritating O Soxidising Irritating I	Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Eye Dam. 1 Eye Irrit. 2 Serious eye damage/eye irritation, Category 2 Ox. Sol. 3 Oxidising Solids, Category 3 Skin Irrit. 2 Skin corrosion/irritation, Category 2 STOT SE 3 Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation Harritation H272 May intensify fire; oxidiser H302 Harmful if swallowed H315 Causes skin irritation Causes serious eye damage H319 Causes serious eye irritation H335 May cause respiratory irritation H400 Very toxic to aquatic life H412 Harmful to aquatic life with long lasting effects H22 Harmful if swallowed R36 Irritating to eyes R37/38 Irritating to eyes R37/38 Irritating to respiratory system and skin R38 Irritating to skin R41 Risk of serious damage to eyes R50 Very toxic to aquatic organisms R8 Contact with combustible material may cause fire N Dangerous for the environment O Oxidising	Aquatic Acute 1	Hazardous to the aquatic environment — AcuteHazard, Category 1
Eye Irrit. 2 Serious eye damage/eye irritation, Category 2 Ox. Sol. 3 Oxidising Solids, Category 3 Skin Irrit. 2 Skin corrosion/irritation, Category 2 STOT SE 3 Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation H272 May intensify fire; oxidiser H302 Harmful if swallowed H315 Causes skin irritation Causes skin irritation Causes serious eye damage H319 Causes serious eye irritation H335 May cause respiratory irritation H400 Very toxic to aquatic life H4112 Harmful to aquatic life with long lasting effects R22 Harmful if swallowed R36 Irritating to eyes R37/38 Irritating to respiratory system and skin R38 Irritating to skin R41 Risk of serious damage to eyes R50 Very toxic to aquatic organisms R8 Contact with combustible material may cause fire N Dangerous for the environment O Oxidising	Aquatic Chronic 3	Hazardous to the aquatic environment — Chronic Hazard, Category 3
Ox. Sol. 3 Oxidising Solids, Category 3 Skin Irrit. 2 Skin corrosion/irritation, Category 2 STOT SE 3 Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation H272 May intensify fire; oxidiser H302 Harmful if swallowed H315 Causes skin irritation H318 Causes serious eye damage H319 Causes serious eye irritation H400 Very toxic to aquatic life H412 Harmful to aquatic life with long lasting effects R22 Harmful if swallowed R36 Irritating to eyes R37/38 Irritating to respiratory system and skin R38 Irritating to skin R41 Risk of serious damage to eyes R50 Very toxic to aquatic organisms R8 Contact with combustible material may cause fire N Dangerous for the environment O Oxidising	Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Skin Irrit. 2 Skin corrosion/irritation, Category 2 STOT SE 3 Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation H272 May intensify fire; oxidiser H302 Harmful if swallowed H315 Causes skin irritation H318 Causes serious eye damage H319 Causes serious eye irritation H335 May cause respiratory irritation H400 Very toxic to aquatic life H412 Harmful to aquatic life with long lasting effects R22 Harmful if swallowed R36 Irritating to eyes R37/38 Irritating to respiratory system and skin R38 Irritating to respiratory system and skin R41 Risk of serious damage to eyes R50 Very toxic to aquatic organisms R8 Contact with combustible material may cause fire N Dangerous for the environment O Oxidising	Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
STOT SE 3 Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation H272 May intensify fire; oxidiser H302 Harmful if swallowed Causes skin irritation H315 Causes serious eye damage H319 Causes serious eye irritation H335 May cause respiratory irritation H400 Very toxic to aquatic life H412 Harmful to aquatic life with long lasting effects H22 Harmful if swallowed R36 Irritating to eyes R37/38 Irritating to respiratory system and skin R38 Irritating to respiratory system and skin R38 R41 Risk of serious damage to eyes R50 Very toxic to aquatic organisms R8 Contact with combustible material may cause fire N Dangerous for the environment O Oxidising	Ox. Sol. 3	Oxidising Solids, Category 3
H272 May intensify fire; oxidiser H302 Harmful if swallowed H315 Causes skin irritation H318 Causes serious eye damage H319 Causes serious eye irritation H335 May cause respiratory irritation H400 Very toxic to aquatic life H412 Harmful to aquatic life with long lasting effects R22 Harmful if swallowed R36 Irritating to eyes R37/38 Irritating to respiratory system and skin R38 Irritating to skin R41 Risk of serious damage to eyes R50 Very toxic to aquatic organisms R8 Contact with combustible material may cause fire N Dangerous for the environment O Oxidising	Skin Irrit. 2	Skin corrosion/irritation, Category 2
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H315 Causes skin irritation H318 Causes serious eye damage H319 Causes serious eye irritation H335 May cause respiratory irritation H400 Very toxic to aquatic life H412 Harmful to aquatic life with long lasting effects R22 Harmful if swallowed R36 Irritating to eyes R37/38 Irritating to respiratory system and skin R38 Irritating to skin R41 Risk of serious damage to eyes R50 Very toxic to aquatic organisms R8 Contact with combustible material may cause fire N Dangerous for the environment O Oxidising	H272	May intensify fire; oxidiser
H318 Causes serious eye damage H319 Causes serious eye irritation H335 May cause respiratory irritation H400 Very toxic to aquatic life H412 Harmful to aquatic life with long lasting effects R22 Harmful if swallowed R36 Irritating to eyes R37/38 Irritating to respiratory system and skin R38 Irritating to skin R41 Risk of serious damage to eyes R50 Very toxic to aquatic organisms R8 Contact with combustible material may cause fire N Dangerous for the environment O Oxidising	H302	Harmful if swallowed
H319 Causes serious eye irritation H335 May cause respiratory irritation H400 Very toxic to aquatic life H412 Harmful to aquatic life with long lasting effects R22 Harmful if swallowed R36 Irritating to eyes R37/38 Irritating to respiratory system and skin R38 Irritating to skin R41 Risk of serious damage to eyes R50 Very toxic to aquatic organisms R8 Contact with combustible material may cause fire N Dangerous for the environment O Oxidising	H315	Causes skin irritation
H335 May cause respiratory irritation H400 Very toxic to aquatic life H412 Harmful to aquatic life with long lasting effects R22 Harmful if swallowed R36 Irritating to eyes R37/38 Irritating to respiratory system and skin R38 Irritating to skin R41 Risk of serious damage to eyes R50 Very toxic to aquatic organisms R8 Contact with combustible material may cause fire N Dangerous for the environment O Oxidising	H318	Causes serious eye damage
H400 Very toxic to aquatic life H412 Harmful to aquatic life with long lasting effects R22 Harmful if swallowed R36 Irritating to eyes R37/38 Irritating to respiratory system and skin R38 Irritating to skin R41 Risk of serious damage to eyes R50 Very toxic to aquatic organisms R8 Contact with combustible material may cause fire N Dangerous for the environment O Oxidising	H319	Causes serious eye irritation
H412 Harmful to aquatic life with long lasting effects R22 Harmful if swallowed R36 Irritating to eyes R37/38 Irritating to respiratory system and skin R38 Irritating to skin R41 Risk of serious damage to eyes R50 Very toxic to aquatic organisms R8 Contact with combustible material may cause fire N Dangerous for the environment O Oxidising	H335	May cause respiratory irritation
R22 Harmful if swallowed R36 Irritating to eyes R37/38 Irritating to respiratory system and skin R38 Irritating to skin R41 Risk of serious damage to eyes R50 Very toxic to aquatic organisms R8 Contact with combustible material may cause fire N Dangerous for the environment O Oxidising	H400	Very toxic to aquatic life
R36 Irritating to eyes R37/38 Irritating to respiratory system and skin R38 Irritating to skin R41 Risk of serious damage to eyes R50 Very toxic to aquatic organisms R8 Contact with combustible material may cause fire N Dangerous for the environment O Oxidising	H412	Harmful to aquatic life with long lasting effects
R37/38 Irritating to respiratory system and skin R38 Irritating to skin R41 Risk of serious damage to eyes R50 Very toxic to aquatic organisms R8 Contact with combustible material may cause fire N Dangerous for the environment O Oxidising	R22	Harmful if swallowed
R38 Irritating to skin R41 Risk of serious damage to eyes R50 Very toxic to aquatic organisms R8 Contact with combustible material may cause fire N Dangerous for the environment O Oxidising	R36	Irritating to eyes
R41 Risk of serious damage to eyes R50 Very toxic to aquatic organisms R8 Contact with combustible material may cause fire N Dangerous for the environment O Oxidising	R37/38	Irritating to respiratory system and skin
R50 Very toxic to aquatic organisms R8 Contact with combustible material may cause fire N Dangerous for the environment O Oxidising	R38	Irritating to skin
R8 Contact with combustible material may cause fire N Dangerous for the environment O Oxidising	R41	Risk of serious damage to eyes
N Dangerous for the environment O Oxidising	R50	Very toxic to aquatic organisms
O Oxidising	R8	Contact with combustible material may cause fire
	N	Dangerous for the environment
Xi Irritant	0	Oxidising
	Xi	Irritant

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Safety Data Sheet

according to Regulation (EC) No. 453/2010

Xn	Harmful

16.5. Training advice

Normal use of this product shall imply use in accordance with the instructions on the packaging.

16.6. Further information

Salts listed in Section 3 without a REACh Registration number are exempt, based on Annex V

SDS P&G CLP

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product

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