

Issuing Date: 30-Aug-2022

Revision date 30-Aug-2022

Revision Number 1

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

1.1. Product identifier

Product Identifier C-90789097-001_PGP_CLPR7_EUR
Product Name PROD PGP ARIEL HYG SSP ET2 - Bluesun
Product Form 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 Laundry Powder
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	P&G Mataro (Mequinenza Site) S.L.Partida Della Segre s/n50170 Mequinenza (Zaragoza) ESPAÑA
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

Regulation (EC) No 1272/2008

Serious eye damage/eye irritation	Category 2 - (H319)
--	---------------------

2.2. Label elements



Signal word
Warning

Hazard statements

H319 - Causes serious eye irritation

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

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

P301 + P312 - IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell

EUH208 - Contains Isoeugenol 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 Peroxide	15630-89-4	10 - 20	01-21194572 68-30	239-707-6	Ox. Sol. 3(H272) Acute Tox. 4 (Oral)(H302) Eye Dam. 1(H318)	Eye Dam. 1 :: 25%<=C<10 0% Eye Irrit. 2 :: 10%<=C<25 %	-	-
Sodium Carbonate	497-19-8	10 - 20	01-21194854 98-19	207-838-8	Eye Irrit. 2(H319)	-	-	-
Sodium C10-13 Alkyl Benzenesulfonate	68411-30-3	10 - 20	01-21194894 28-22	270-115-0	Acute Tox. 4 (Oral)(H302) Skin Irrit. 2(H315) Eye Dam. 1(H318) Aquatic Chronic 3(H412)	Acute Tox. 4 :: 65%<=C<10 0%	-	-
Sodium Silicate	1344-09-8	5 - 10	01-21194487 25-31	215-687-4	Skin Irrit. 2(H315) Eye Dam. 1(H318) STOT SE 3(H335)	-	-	-
Citric Acid	77-92-9	1 - 5	01-21194570 26-42	201-069-1	Eye Irrit. 2(H319) STOT SE 3(H335)	-	-	-
C12-14 Pareth-n	68439-50-9	1 - 5	01-21194879 84-16	Polymer	Acute Tox. 4 (Oral)(H302) Eye Dam.	-	-	-

					1(H318) Aquatic Chronic 3(H412)			
--	--	--	--	--	--	--	--	--

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

General advice 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. Get medical attention if symptoms occur. Discontinue use of product.
Ingestion IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Call a physician or poison control center immediately.
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 (CO2).
Large Fire CAUTION: Use of water spray when fighting fire may be inefficient.
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 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.
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	Cyprus	Czech Republic	Denmark	Estonia	Finland
Sodium Carbonate	-	TWA: 5 mg/m ³ Ceiling: 10 mg/m ³	-	-	-
Citric Acid	-	TWA: 4 mg/m ³	-	-	-
Chemical name	France	Germany	Germany MAK	Greece	Hungary
Citric Acid	-	TWA: 2 mg/m ³	TWA: 2 mg/m ³ Peak: 4 mg/m ³	-	-
Chemical name	Portugal	Romania	Slovakia	Slovenia	Spain
Sodium Carbonate	-	TWA: 1 mg/m ³ STEL: 3 mg/m ³	-	-	-
Chemical name	Sweden	Switzerland	United Kingdom	Israel - Occupational Exposure Limits - TWAs	Turkey
Citric Acid	-	TWA: 2 mg/m ³ STEL: 4 mg/m ³	-	-	-

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

Sodium C10-13 Alkyl Benzenesulfonate	119 mg/kg bw/day	7.6 mg/m ³	-	-
Sodium Silicate	1.59 mg/kg bw/d	5.61 mg/m ³	-	-
TAED	20 mg/kg bw/day	0.0064 mg/L	-	-
Sodium Chloride	295.52 mg/kg bw/day	2068.62 mg/m ³	-	-
Hydrated Silica	-	4 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

Chemical name	Consumer - oral, long-term - systemic	Consumer - inhalative, long-term - systemic	Consumer - dermal, long-term - systemic
Sodium C10-13 Alkyl Benzenesulfonate	0.425 mg/kg bw/day	1.3 mg/m ³	42.5 mg/kg bw/day
Sodium Silicate	0.8 mg/kg bw/d	1.38 mg/m ³	0.8 mg/kg bw/d
TAED	0.45 mg/kg bw/day	0.075 mg/L	10 mg/kg bw/day
Sodium Chloride	126.65 mg/kg bw/day	443.28 mg/m ³	126.65 mg/kg bw/day

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
Sodium Chloride	295.52 mg/kg bw/day	2068.62 mg/m ³	295.52 mg/kg bw/day	-

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	-

Chemical name	Consumer - oral, short-term - systemic	Consumer - inhalative, short-term - systemic	Consumer - dermal, short-term - systemic
Sodium Chloride	126.65 mg/kg bw/day	443.28 mg/m ³	126.65 mg/kg bw/day

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 C10-13 Alkyl Benzenesulfonate	0.268 mg/L	0.027 mg/L	0.017 mg/L
Sodium Silicate	7.5 mg/L	1 mg/L	7.5 mg/L
TAED	10 mg/L	0.5 mg/L	10 mg/L
Citric Acid	0.44 mg/L	0.044 mg/L	-
Sodium Chloride	5 mg/L	-	19 mg/L

Chemical name	Freshwater sediment	Marine sediment	Sewage treatment plant	Soil	Air	Oral
Sodium Carbonate Peroxide	-	-	16.24 mg/L	-	-	-
Sodium C10-13 Alkyl Benzenesulfonate	8.1 mg/kg sediment dw	6.8 mg/kg sediment dw	3.43 mg/L	35 mg/kg soil dw	-	-
Sodium Silicate	-	-	348 mg/L	-	-	-
TAED	2.5 mg/kg sediment dw	-	10 mg/L	5 mg/kg soil dw	-	-
Citric Acid	34.6 mg/kg sediment dw	3.46 mg/kg sediment dw	1 000 mg/L	33.1 mg/kg soil dw	-	-
Sodium Chloride	-	-	500 mg/L	4.86 mg/kg soil dw	-	-

8.2. Exposure controls

Personal Protective Equipment

Eye/face protection	Wear safety glasses with side shields (or goggles).
Hand protection	Wear suitable gloves.
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	Solid
Color	White with coloured speckles
Odor	pleasant (perfume).
Odor threshold	No information available

<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	No data available	Not available. This property is not relevant for the safety and classification of this product
Decomposition temperature	No Data Available	Not available. This property is not relevant for the safety and classification of this product
pH	9.5 - 11.4	OECD 122
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	TMR. A.6
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	0.6 - 0.9	TMR. A.3
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
Not applicable

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. May cause irritation of respiratory tract.
Eye contact	Specific test data for the substance or mixture is not available. Causes serious eye irritation. (based on components). May cause redness, itching, and pain.
Skin contact	Specific test data for the substance or mixture is not available. May cause irritation. Prolonged contact may cause redness and 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 May cause redness and tearing of the eyes.

Numerical measures of toxicity

Acute toxicity

The following values are calculated based on chapter 3.1 of the GHS document
 ATEmix (oral) 4,170.20 mg/kg

Component Information

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Carbonic acid disodium salt, compd. with hydrogen peroxide	893 mg/kg bw	> 2000 mg/kg bw	-
Sodium Carbonate	2800 mg/kg bw	> 2000 mg/kg bw (EPA 16 CFR 1500.40)	= 2300 mg/m ³ (Rat) 2 h
Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts	1080 mg/kg bw (OECD 401)	> 2000 mg/kg bw (OECD 402)	-
Silicic acid, sodium salt	3400 mg/kg bw (OECD 401)	> 5000 mg/kg bw	> 2.06 mg/L air (OECD 403)
1,2,3-Propanetricarboxylic acid, 2-hydroxy-	5400 mg/kg bw (OECD 401)	> 2000 mg/kg bw	-
Alcohols, C12-14, ethoxylated	>300-2000 mg/kg bw (Rat)	> 5000 mg/kg bw	-

Chemical name	Carcinogenicity	Species	Eye Damage	Species	Developmental toxicity	Species	Mutagenicity	Species
Sodium Carbonate Peroxide	-	-	Y (OECD 405)	-	-	-	-	-
Sodium Carbonate	-	-	Y	-	-	-	-	-
Sodium C10-13 Alkyl Benzenesulfonate	-	-	Y (OECD 405)	-	-	-	-	-
Sodium Silicate	-	-	Y	-	-	-	-	-
Citric Acid	-	-	Y (OECD 405)	-	-	-	-	-
Sodium Chloride	-	-	Y (OECD 405)	-	-	-	-	-

Chemical name	Reproductive toxicity	Species	Skin corrosion/irritation	Species	Sensitization	Species
Sodium C10-13 Alkyl Benzenesulfonate	-	-	Y (OECD 404)	-	-	-
Sodium Silicate	-	-	Y (OECD 404)	-	-	-

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

Skin corrosion/irritation No information available.

Serious eye damage/eye irritation Causes serious eye irritation.

Respiratory or skin sensitization No information available.

Germ cell mutagenicity No information available.

Carcinogenicity No information available.

Reproductive toxicity No information available.

STOT - single exposure No information available.

STOT - repeated exposure No information available.

Aspiration hazard No information available.

11.2. Information on other hazards

11.2.1. Endocrine disrupting properties

Endocrine disrupting properties This product does not contain any known or suspected endocrine disruptors.

11.2.2. Other information

Other adverse effects No information available.

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.

Unknown aquatic toxicity Contains 1.07009 % of components with unknown hazards to the aquatic environment.

Chemical name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Carbonic acid disodium salt, compd. with hydrogen peroxide	-	70.7 mg/L (Pimephales promelas; 48 h)	-	4.9 mg/L (Daphnia pulex; 48 h)
Sodium Carbonate	-	300 mg/L (Lepomis macrochirus; 96 h)	-	200 - 227 mg/L (Ceriodaphnia sp.; 48 h))
Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts	127.9 mg/L (Desmodesmus subspicatus; 72 h)	1.67 mg/L (USEPA OPPTS 850.1075; Lepomis macrochirus; 96 h)	-	2.9 mg/L (OECD 202; Daphnia magna; 48 h)
Silicic acid, sodium salt	> 345.4 mg/L (Desmodesmus subspicatus; 72 h)	281 mg/L (Oncorhynchus mykiss; 96 h)	>348 mg/L (Pseudomonas putida; 18 h)	1700 mg/L (EU Method C.2; Daphnia magna; 48 h)
1,2,3-Propanetricarboxylic acid, 2-hydroxy-	-	440 mg/L (OECD 203; Leuciscus idus melanotus; 48 h)	-	1535 mg/L (Daphnia magna; 24 h)
Alcohols, C12-14, ethoxylated	>1-10 mg/L (OECD 201; Desmodesmus subspicatus (green algae); static test)	>1-10 mg/L (OECD 203; Cyprinus carpio; flow-through test)	-	> 1 - 10 mg/L (OECD 202; Daphnia magna; static test)

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	1 - 10 mg/L	-	-	-	-
Sodium C10-13 Alkyl Benzenesulfonate	0.5 mg/L (USEPA OPPTS 850.5400)	0.23 mg/L (OECD 210; Oncorhynchus	1.18 mg/L (OECD 211; Daphnia magna;	-	2.4 mg/L (//OECD 218; Chironomus

	(1996); Pseudokirchneriella subcapitata; 4 d)	mykiss; 72 d)	21 d)		riparius; 28 d)
Sodium Silicate	-	348 mg/L ((OECD 203; Danio rerio; 4 d)	-	-	-
TAED	655 mg/L (OECD 201; Desmodesmus subspicatus; 3 d)	1000 mg/L (OECD 203; Danio rerio; 4 d)	500 mg/L (OECD 211; Daphnia magna; 21 d)	-	500 mg/kg soil dw (OECD 222; species: eisenia fetida; artificial soil; 56 d)
Citric Acid	425 mg/L (Scenedesmus quadricauda; 8 d)	-	-	-	> 4000 mg/kg bw (Guideline not indicated; Gallus domesticus; 14 d)
Sodium Chloride	-	252 mg/L (OECD 210; Pimephales promelas; 33 d)	441 mg/L (OECD 211; Daphnia pulex; 21 d)	-	243 mg/kg soil dw (Similar to OECD 208; Poa pratensis; based on growth; 7 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
Sodium C10-13 Alkyl Benzenesulfonate	85%CO ₂ ; OECD 301 B; 29 d	-	-	85% CO ₂ ; 29 d; OECD 301 B
TAED	75.1 - 104.6%CO ₂ ; OECD 301 B; 27 d	-	-	75.1% (OECD 301 B; aerobic; activated sludge, domestic, non-adapted; CO ₂ evolution; 27 d; meets the 10 d window criteria)
Citric Acid	97% ; CO ₂ ; 28 d; OECD 301 B	-	-	93 % (OECD 303 A; aerobic; sludge from a communal sewage treatment plant; COD removal)
C12-14 Pareth-n	> 70 % (OECD 301 A (new version); 28 d; aerobic) and > 60 % (OECD 301 B; 28 d; aerobic)	-	-	-

12.3. Bioaccumulative potential

Bioaccumulation

There is no data for this product.

Component Information

Chemical name	Partition coefficient
Sodium C10-13 Alkyl Benzenesulfonate	1.4
Citric Acid	-1.72

Chemical name	Octanol/water partition coefficient	Bioconcentration factor (BCF)
Sodium C10-13 Alkyl Benzenesulfonate	1.4 (OECD 123)	87 L/kg (OECD 305)
TAED	-0.09	-
Citric Acid	-1.55	3.2 L/kg

12.4. Mobility in soil

Mobility in soil

No information available.

Chemical name	log K _{oc}
Sodium C10-13 Alkyl Benzenesulfonate	3.4

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 PBT assessment does not apply
Sodium Carbonate	The substance is not PBT / vPvB PBT assessment does not apply
Sodium C10-13 Alkyl Benzenesulfonate	The substance is not PBT / vPvB PBT assessment does

	not apply
Sodium Silicate	The substance is not PBT / vPvB PBT assessment does not apply
Citric Acid	The substance is not PBT / vPvB
C12-14 Pareth-n	The substance is not PBT / vPvB PBT assessment does not apply

12.6. Endocrine disrupting properties

Endocrine disrupting properties No information available.

12.7. Other adverse effects

No information available.

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 / AVV

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
- 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
- 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
- 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	
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	
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

France

Occupational Illnesses (R-463-3, France)

Germany

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

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.	-
Citric Acid	75.	-

Persistent Organic Pollutants

Not applicable

Ozone-depleting substances (ODS) regulation (EC) 1005/2009

Not applicable

Plant protection products directive (91/414/EEC)

EU - Biocides

Chemical name	EU - Biocides
1,2,3-Propanetricarboxylic acid, 2-hydroxy- - 77-92-9	Product-type 1: Human hygiene

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
- H312 - Harmful in contact with skin
- H315 - Causes skin irritation
- H317 - May cause an allergic skin reaction
- H318 - Causes serious eye damage
- H319 - Causes serious eye irritation
- H332 - Harmful if inhaled
- H335 - May cause respiratory irritation
- 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	*	Skin designation

Classification procedure	
Classification according to Regulation (EC) No. 1272/2008 [CLP]	Method Used
Serious eye damage/eye irritation	Expert judgment and weight of evidence determination

Issuing Date: 30-Aug-2022

Revision date 30-Aug-2022

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