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**Revision Number** 1

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

### 1.1. Product identifier

<b>Product Identifier</b>	C-21126142-003_PGP_CLPR7_EUR_SAW
<b>Product Name</b>	Ariel Original
<b>Product Form</b>	Mixture
<b>Pure substance/mixture</b>	Mixture

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

<b>Recommended use</b>	Restricted to professional users
<b>Uses advised against</b>	No information available
<b>Main user category</b>	SU 22 - Professional uses
<b>Product category</b>	Laundry Powder
<b>Use category</b>	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	Procter & Gamble London Plant Hedley Avenue, West Thurrock, Grays, Essex RM20 4AL Tel: +44 (0)1375 395000
P&G DCE bvba/sprl-Belgium Dist. Div., Temselaan 100, B-1853 Strombeek-Bever, Belgium (IE) 1800 535 119	

For further information, please contact

**E-mail address** customerservice@pgprof.com

### 1.4. Emergency telephone number

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

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

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

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

<b>Serious eye damage/eye irritation</b>	Category 2 - (H319)
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### 2.2. Label elements



**Signal word**  
Warning

#### Hazard statements

H319 - Causes serious eye irritation

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

P102 - Keep out of reach of children

P312 - Call a POISON CENTRE or doctor if you feel unwell

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

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 (EU Index 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	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) Aquatic Chronic 3 (H412) Eye Dam. 1 (H318) Skin Irrit. 2 (H315)	-	-	-
Sodium Carbonate Peroxide	15630-89-4	10 - 20	01-21194572 68-30	239-707-6	Acute Tox. 4 (Oral) (H302) Eye Dam. 1 (H318) Ox. Sol. 3 (H272)	Eye Dam. 1 :: 25%<=C<100% Eye Irrit. 2 :: 7.5%<=C<25%	-	-
Sodium Silicate	1344-09-8	5 - 10	01-21194487 25-31	215-687-4	Eye Dam. 1 (H318) Skin Irrit. 2 (H315) STOT SE 3 (H335)	-	-	-
C12-14 Pareth-n	68439-50-9	1 - 5	No data available	Polymer	Acute Tox. 4 (Oral) (H302) Aquatic Chronic 3 (H412) Eye Dam. 1	-	-	-

					(H318)			
Isoeugenol	97-54-1	0 - 1	01-21202236 82-61	202-590-7 227-678-2	Acute Tox. 4 (Dermal) (H312) Acute Tox. 4 (Inhalation:d ust,mist) (H332) Acute Tox. 4 (Oral) (H302) Eye Irrit. 2 (H319) Skin Irrit. 2 (H315) Skin Sens. 1A (H317) STOT SE 3 (H335)	Skin Sens. 1A :: 0.01%<=C<1 00%	-	-

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

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

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

<b>General advice</b>	Show this safety data sheet to the doctor in attendance.
<b>Inhalation</b>	IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing. (Call a physician if symptoms occur).
<b>Eye contact</b>	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.
<b>Skin contact</b>	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.
<b>Ingestion</b>	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Call a physician or poison control center immediately.
<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>	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.
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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>	Dry chemical. Alcohol resistant foam. Carbon dioxide (CO <sub>2</sub> ).
<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>	None in particular.
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**5.3. Advice for firefighters**

<b>Special protective equipment and</b>	Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear.
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precautions for fire-fighters 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 <sup>3</sup> Ceiling: 10 mg/m <sup>3</sup>	-	-	-
Chemical name	France	Germany TRGS	Germany DFG	Greece	Hungary
Isoeugenol	-	-	skin sensitizer	-	-
Chemical name	Portugal	Romania	Slovakia	Slovenia	Spain
Sodium Carbonate	-	TWA: 1 mg/m <sup>3</sup> STEL: 3 mg/m <sup>3</sup>	-	-	-

### 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 C10-13 Alkyl Benzenesulfonate	119 mg/kg bw/day	7.6 mg/m <sup>3</sup>	-	6 mg/m <sup>3</sup>
Sodium Carbonate Peroxide	-	-	12.8 mg/cm <sup>2</sup>	5 mg/m <sup>3</sup>
Sodium Silicate	1.59 mg/kg bw/day	5.61 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 C10-13 Alkyl Benzenesulfonate	-	1.5 mg/m <sup>3</sup>	-
Sodium Carbonate Peroxide	-	-	6.4 mg/cm <sup>2</sup>

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	1.3 mg/m <sup>3</sup>	42.5 mg/kg bw/day
Sodium Silicate	0.8 mg/kg bw	1.38 mg/m <sup>3</sup>	0.8 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 <sup>2</sup>	12.8 mg/cm <sup>2</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>

**Predicted No Effect Concentration (PNEC)**

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 C10-13 Alkyl Benzenesulfonate	0.268 mg/L	0.027 mg/L	0.017 mg/L
Sodium Carbonate Peroxide	0.035 mg/L	0.035 mg/L	0.035 mg/L
Sodium Silicate	7.5 mg/L	1 mg/L	7.5 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 C10-13 Alkyl Benzenesulfonate	8.1 mg/kg dwt	6.8 mg/kg dwt	3.43 mg/L	35 mg/kg dwt	-	-
Sodium Carbonate Peroxide	-	-	16.24 mg/L	-	-	-
Sodium Silicate	-	-	348 mg/L	-	-	-

**8.2. Exposure controls****Personal protective equipment****Eye/face protection**

Wear safety glasses with side shields (or goggles).

<b>Hand protection</b>	Wear suitable gloves.
<b>Skin and body protection</b>	No special protective equipment required.
<b>Respiratory protection</b>	No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.
<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.
<b>Environmental exposure controls</b>	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>	Solid
<b>Color</b>	White with coloured speckles
<b>Odor</b>	Pleasant (perfume)
<b>Odor threshold</b>	No information available

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
<b>Melting point / freezing point</b>	No data available	Not available. This property is not relevant for the safety and classification of this product
<b>Initial boiling point and boiling range</b>	No data available	Not available. This property is not relevant for the safety and classification of this product
<b>Flammability</b>		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
<b>Upper flammability or explosive limits</b>	No data available	
<b>Lower flammability or explosive limits</b>	No data available	
<b>Flash point</b>	No Data Available	Not available. This property is not relevant for the safety and classification of this product
<b>Autoignition temperature</b>	No data available	Not available. This property is not relevant for the safety and classification of this product
<b>Decomposition temperature</b>	No Data Available	Not available. This property is not relevant for the safety and classification of this product
<b>pH</b>	9.5 - 11.4	OECD 122
<b>Dynamic viscosity</b>	No Data Available	Not available. This property is not relevant for the safety and classification of this product
<b>Water solubility</b>	Soluble in water	TMR. A.6
<b>Solubility(ies)</b>	No Data Available	Not available. This property is not relevant for the safety and classification of this product
<b>Partition coefficient</b>	No Data Available	Not available. This property is not relevant for the safety and classification of this product
<b>Vapor pressure</b>	No Data Available	Not available. This property is not relevant for the safety and classification of this product
<b>Relative density</b>	0.6 - 0.9	TMR. A.3
<b>Relative vapor density</b>	No data available	Not available. This property is not relevant for the safety and classification of this product
<b>Particle characteristics</b>		Not available. This property is not relevant for the safety and classification of this product
<b>Particle Size</b>	No information available	
<b>Particle Size Distribution</b>	No information available	

## **9.2. Other information**

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

9.2.2. Other safety characteristics  
No information available

## **SECTION 10: Stability and reactivity**

### **10.1. Reactivity**

**Reactivity** No information available.

### **10.2. Chemical stability**

**Stability** Stable under normal conditions.

#### **Explosion data**

**Sensitivity to mechanical impact** None.

**Sensitivity to static discharge** None.

### **10.3. Possibility of hazardous reactions**

**Possibility of hazardous reactions** None under normal processing.

### **10.4. Conditions to avoid**

**Conditions to avoid** None known based on information supplied.

### **10.5. Incompatible materials**

**Incompatible materials** None known based on information supplied.

### **10.6. Hazardous decomposition products**

**Hazardous decomposition products** None known based on information supplied.

## **SECTION 11: Toxicological information**

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

#### **Information on likely routes of exposure**

##### **Product Information**

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

#### **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 C10-13 Alkyl Benzenesulfonate	1080 mg/kg (RAT)	5001 mg/kg (Rat)	-
Sodium Carbonate Peroxide	893 mg/kg (RAT)	5001 mg/kg (RABBIT)	-
Sodium Silicate	3400 mg/kg (RAT)	5001 mg/kg (RAT)	20.1 mg/l/4h (RAT)
C12-14 Pareth-n	>300-2000 mg/kg bw (Rat)	> 5000 mg/kg bw	-
Isoeugenol	= 1560 mg/kg ( Rat )	1900 mg/kg (RAT)	-

Chemical name	Carcinogenicity	Species	Eye Damage	Species	Developmental toxicity	Species	Mutagenicity	Species
Sodium Carbonate	-	-	OECD 405	-	-	-	-	-
Sodium C10-13 Alkyl Benzenesulfonate	-	-	Y (OECD 405)	-	-	-	-	-
Sodium Carbonate Peroxide	-	-	Y (OECD 405)	-	-	-	-	-
Sodium Silicate	-	-	Y	-	-	-	-	-
C12-14 Pareth-n	-	-	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)	-	-	-

Chemical name	Skin sensitization	Species	STOT - single exposure	STOT RE 1 target organ(s)	Species	STOT - repeated exposure	STOT RE 2 target organ(s)	Species	Aspiration hazard
Sodium Silicate	N	-	(Y)	-	-	-	-	-	-
Isoeugenol	-	-	-	-	-	-	nasal cavity	-	-

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** None known.

Carcinogenicity	None known.
Reproductive toxicity	No information available.
STOT - single exposure	No information available.
STOT - repeated exposure	None known.
Aspiration hazard	No information available.

## 11.2. Information on other hazards

### 11.2.1. Endocrine disrupting properties

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

Other adverse effects	None known.
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## 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.
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#### Acute toxicity

Chemical name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Sodium Carbonate	101 mg/L (algae, various)	300 mg/L (Lepomis macrochirus; 96 h)	-	215 mg/L (Ceriodaphnia sp.; 48 h)
Sodium C10-13 Alkyl Benzenesulfonate	235 mg/L (Raphidocelis subcapitata; 72 h)	1.67 mg/L (Lepomis macrochirus; 96 h)	-	2.9 mg/L (OECD 202; Daphnia magna; 48 h)
Sodium Carbonate Peroxide	-	70.7 mg/L (Pimephales promelas; 48 h)	-	4.9 mg/L (Daphnia pulex; 48 h)
Sodium Silicate	345.5 mg/L (Desmodesmus subspicatus; 72 h)	1108 mg/L (OECD 203; Danio rerio; 96 h)	3454 mg/L (Pseudomonas putida; 0.5 h)	1700 mg/L (EU Method C.2; Daphnia magna; 48 h)
C12-14 Pareth-n	>1-10 mg/L (OECD 201; Desmodesmus subspicatus (green algae); static test)	1.2 mg/L (OECD 203; Danio rerio; 96 h)	3 mg/L (Pseudomonas putida; 5 h)	> 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	100 mg/L (algae, various)	-	-	-	-
Sodium C10-13 Alkyl Benzenesulfonate	0.5 mg/L (Raphidocelis subcapitata; 4 d)	0.23 mg/L (OECD 210; Oncorhynchus mykiss;	1.18 mg/L (OECD 211; Daphnia magna; 21 d)	-	2.4 mg/L (//OECD 218; Chironomus riparius;

		72 d)			28 d)
Sodium Carbonate Peroxide	-	-	2 mg/L (Daphnia pulex; 2 d)	-	-
Sodium Silicate	-	348 mg/L (OECD 203; Danio rerio; 4 d)	-	-	-
C12-14 Pareth-n	-	0.28 mg/L (Pimephales promelas; 30 d)	0.77 mg/L (Daphnia magna; 21 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 % (OECD 301 B; aerobic; CO2 evolution; 29 d)	-	-	85% CO2; 29 d; OECD 301 B
C12-14 Pareth-n	95 % (O2; OECD 301 F; 28 d)	-	-	-

## 12.3. Bioaccumulative potential

### Bioaccumulation

#### Component Information

Chemical name	Partition coefficient
Sodium C10-13 Alkyl Benzenesulfonate	1.4

Chemical name	Octanol/water partition coefficient	Bioconcentration factor (BCF)
Sodium C10-13 Alkyl Benzenesulfonate	1.4 (1.4 (OECD 123))	87 L/kg (OECD 305 E)
C12-14 Pareth-n	5.24 (OECD 123)	-

## 12.4. Mobility in soil

### Mobility in soil

Chemical name	log Koc
Sodium C10-13 Alkyl Benzenesulfonate	3.4 (3.4)
C12-14 Pareth-n	267.1

## 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 C10-13 Alkyl Benzenesulfonate	The substance is not PBT / vPvB
Sodium Carbonate Peroxide	The substance is not PBT / vPvB
Sodium Silicate	The substance is not PBT / vPvB
C12-14 Pareth-n	The substance is not PBT / vPvB

## 12.6. Endocrine disrupting properties

### Endocrine disrupting properties

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

## 12.7. Other adverse effects

# SECTION 13: Disposal considerations

## 13.1. Waste treatment methods

### Waste from residues/unused products

The waste codes/waste designations below are in accordance with EWC. Waste must be delivered to an approved waste disposal company. Waste is to be kept separate from other types of waste until its disposal. Do not throw waste product into the sewer. Where possible

recycling is preferred to disposal or incineration. Empty, uncleaned packaging need the same disposal considerations as filled packaging. For handling waste, see measures described in section 8. Dispose of in accordance with local regulations.

**Contaminated packaging**

Do not reuse empty containers.

**Waste codes / waste designations according to EWC**

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

**SECTION 14: Transport information****IATA**

14.1 UN number or ID number	Not regulated
14.2 UN proper shipping name	Not regulated
14.3 Transport hazard class(es)	Not regulated
14.4 Packing group	Not regulated
14.5 Environmental hazards	Not applicable
14.6 Special precautions for user	

**IMDG**

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

**RID**

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

**ADR**

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

**ADN**

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

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

**Germany****Water hazard class (WGK)** obviously hazardous to water (WGK 2)**Netherlands****European Union**

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

**Authorizations and/or restrictions on use:**

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

Chemical name	Restricted substance per REACH Annex XVII	Substance subject to authorization per REACH Annex XIV
Sodium Carbonate	75	-
Isoeugenol	75	-

**Persistent Organic Pollutants**

Not applicable

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

Not applicable

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

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

**CESIO Recommendations**

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

**15.2. Chemical safety assessment****Chemical Safety Report**

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

**SECTION 16: Other information****Key or legend to abbreviations and acronyms used in the safety data sheet****Full text of any hazard and/or precautionary statements referred to under Sections 2-15**

H272 - May intensify fire; oxidizer

H302 - Harmful if swallowed

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	Sk*	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

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

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

**Disclaimer**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

**End of Safety Data Sheet**