

## SAFETY DATA SHEET

According to Regulation (EC) No. 1907/2006 (REACH) and its latest amendment

Issuing Date: 09-Apr-2021 Revision date 09-Apr-2021 Revision Number 1

# Section 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Product Form Mixture

Product Name ARIEL Professional – Essential Product Identifier 91771722\_PGP\_CLP\_EUR\_SAW

Synonyms C-91771722-001 Product group Trade Product

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

**Recommended use**Main user category
Restricted to professional users
SU 22 - Professional uses

**Use category** PC35 - Washing and cleaning products (including solvent based products)

Uses advised against No information available

Product category Laundry Powder

1.3. Details of the supplier of the safety data sheet

Details of the supplier of the safety Procter & Gamble UK Brooklands PGP, Weybridge, Surrey, KT13 0XP, UK Tel: 01932

data sheet 896000 Fax: 01932 896200

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

## Section 2: HAZARDS IDENTIFICATION

#### 2.1. Classification of the substance or mixture

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

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

For the full text of the H-Statements mentioned in this Section, see Section 16.

#### Adverse human health effects and symptoms

No information available

#### 2.2. Label elements

Label according to Regulation (EC) No. 1272/2008



Signal word Warning

Hazard statements H319 - Causes serious eye irritation

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

P102 - Keep out of reach of children

P312 - Call a POISON CENTER or doctor/physician if you feel unwell

EUH208 - Contains Isoeugenol May produce an allergic reaction.

#### 2.3. Other hazards

Other hazards which do not result No presence of PBT and vPvB ingredients.

in classification

#### Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

#### 3.1 Substances

Not applicable.

#### 3.2 Mixtures

Chemical Name	CAS No	EC No	REACH registration	Weight-%	Classification according to	M-Factor	M-Factor
			number		Regulation (EC) No. 1272/2008 [CLP]	(long-term	
Sodium Carbonate	497-19-8	207-838-8	01-2119485498-19	10 - 20	Eye Irrit. 2(H319)	,	
Sodium Carbonate Peroxide	15630-89-4	239-707-6	01-2119457268-30	10 - 20	Ox. Sol. 3(H272) Acute Tox. 4 (Oral)(H302) Eye Dam. 1(H318)		
Sodium C10-13 Alkyl Benzenesulfonate	68411-30-3	270-115-0	01-2119489428-22	10 - 20	Acute Tox. 4 (Oral)(H302) Skin Irrit. 2(H315) Eye Dam. 1(H318) Aquatic Chronic 3(H412)		
Sodium Silicate	1344-09-8	215-687-4	01-2119448725-31	5 - 10	Skin Irrit. 2(H315) Eye Dam. 1(H318) STOT SE 3(H335)		
C12-14 Pareth-n	68439-50-9	Polymer		1 - 5	Acute Tox. 4 (Oral)(H302) Eye Dam. 1(H318) Aquatic Chronic 3(H412)		

For the full text of the H-Statements mentioned in this Section, see Section 16.

#### Section 4: FIRST AID MEASURES

4.1. Description of first aid measures

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 exposed or you feel unwell. IF ON SKIN: Wash with plenty of water and soap. Remove/Take off immediately all

Skin contact IF ON SKIN: Wash with plenty of water and soap. Remove/Take off immediately all

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

Discontinue use of product.

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.

Ingestion 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 Redness. Swelling. Dryness. Itching.

contact

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.

Diarrhea.

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

Refer to section 4.1.

## **Section 5: FIRE FIGHTING MEASURES**

5.1. Extinguishing media

Suitable extinguishing media Dry chemical powder. Alcohol resistant foam. Carbon dioxide (CO<sub>2</sub>).

**Extinguishing Media Which Must Not Be Used For Safety Reasons** 

Not relevant.

5.2. Special hazards arising from the substance or mixture

Fire Hazard Non-combustible

**Explosion hazard** Product is not explosive.

Reactivity No dangerous reaction known under conditions of normal use

5.3. Advice for firefighters

Special protective equipment for

fire-fighters

Protective equipment and precautions for firefighters

No specific firefighting instructions required.

In case of inadequate ventilation wear respiratory protection.

#### Section 6: ACCIDENTAL RELEASE MEASURES

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

For non-emergency personnel Wear suitable gloves and eye/face protection. Advice for emergency responders Wear suitable gloves and eye/face protection.

6.2. Environmental precautions

**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

**Methods 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

Other information Refer to Sections 8 and 13.

### Section 7: HANDLING AND STORAGE

#### 7.1. Precautions for safe handling

Advice on safe handling Avoid contact with eyes. Use personal protective equipment as required. Avoid dust

formation. 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

Technical measures/Storage

conditions
Incompatible products

Store in original container. Refer to section 10.

Refer to section 10.

Incompatible Materials R
Prohibitions on mixed storage N

Refer to section 10

Prohibitions on mixed storage Not relevant.

Requirements for storage rooms

Store in a cool area. Store in a dry area. Keep away from heat.

and containers

## 7.3. Specific end use(s)

Cleaning/washing agents and additives.

## Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

#### 8.1. Control parameters

## National Occupational Exposure Limits

#### **Derived No Effect Level (DNEL)**

## Workers

Chemical Name	CAS No	Worker - dermal, short-term - systemic	Worker - inhalative, short-term - systemic	Worker - dermal, short-term - local
Sodium Carbonate Peroxide	15630-89-4			12.8 mg/kg bodyweight/day

Chemical Name	CAS No	Worker - inhalative, short-term - local	Worker - dermal, long-term - systemic	Worker - inhalative, long-term - systemic
Sodium C10-13 Alkyl Benzenesulfonate	68411-30-3		85 mg/kg bw/d	6 mg/m³
Sodium Silicate	1344-09-8		1.59 mg/kg bw/d	5.61 mg/m³

Chemical Name	CAS No	Worker - dermal, long-term - local	Worker - inhalative, long-term - local
Sodium Carbonate	497-19-8		10 mg/m³
Sodium Carbonate Peroxide	15630-89-4	12.8 mg/cm <sup>2</sup>	5 mg/m³

## Consumers

Chemical Name	CAS No	Consumer - oral, long-term - systemic	Consumer - inhalative,	Consumer - dermal, long-term - local
Sodium C10-13 Alkyl	68411-30-3	0.425 mg/kg bw/d	long term lood	long term local
Benzenesulfonate	35111 55 5	0. 1 <u>2</u> 0g, n.g, a		
Sodium Silicate	1344-09-8	0.8 mg/kg bw/d		

Chemical Name	CAS No	Consumer - inhalative, long-term - systemic	Consumer - dermal, long-term - systemic
Sodium C10-13 Alkyl Benzenesulfonate	68411-30-3	1.5 mg/m³	42.5 mg/kg bw/d
Sodium Silicate	1344-09-8	1.38 mg/m³	0.8 mg/kg bw/d

## Predicted No Effect Concentration (PNEC)

Chemical Name	CAS No	Fresh Water	Marine water	Intermittent release
Sodium Carbonate	497-19-8	no data; no toxicity expected	no data; no toxicity expected	no data; no toxicity expected
Sodium Carbonate Peroxide	15630-89-4	0.035 mg/L	0.035 mg/L	0.035 mg/L
Sodium C10-13 Alkyl Benzenesulfonate	68411-30-3	0.268 mg/L	0.027 mg/L	0.017 mg/L
Sodium Silicate	1344-09-8	7.5 mg/L	1 mg/L	7.5 mg/L

Chemical Name	CAS No	Freshwater sediment	Marine sediment	Sewage treatment plant
Sodium Carbonate	497-19-8	no data; no toxicity expected	no data; no toxicity expected	no data; no toxicity expected
Sodium Carbonate Peroxide	15630-89-4			16.24 mg/L
Sodium C10-13 Alkyl Benzenesulfonate	68411-30-3	8.1 mg/kg sediment dw	6.8 mg/kg sediment dw	3.43 mg/L
Sodium Silicate	1344-09-8			348 mg/L

Chemical Name	CAS No	Soil	air	Oral
Sodium Carbonate	497-19-8	no data; no toxicity		
		expected		
Sodium C10-13 Alkyl Benzenesulfonate	68411-30-3	35 mg/kg soil dw		

## 8.2. Exposure controls

Appropriate engineering controls No information available

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 relevant.

**Eye Protection** Wear eye/face protection.

Skin and Body ProtectionNot relevant.Respiratory ProtectionNot relevant.Thermal hazardsNot relevant.

**Environmental exposure controls** Prevent that the undiluted product reaches surface waters.

## Section 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical		<u> </u>
Property_	Value / Units	Test Method / Notes
Appearance	Solid	
Physical state	Solid	
Color	White with coloured	
	speckles	
Odor	pleasant (perfume)	
Odor threshold	No Data Available	Perceived odor at typical use conditions
рН	9.5 - 11.4	OECD 122
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	No data available	Not applicable. This property is not relevant for solid product
range		forms
Flash point	No data available	Not applicable. This property is not relevant for solid product
		forms
Relative Evaporation Rate	No data available	Not available. This property is not relevant for the safety and
(butylacetate=1)		classification of this product
Flammability	Not relevant	The product is not flammable
Upper/lower flammability or	No data available	Not available. This property is not relevant for the safety and
explosive limits		classification of this product
Vapor pressure	No data available	Not applicable. This property is not relevant for solid product
		forms
Relative density	0.6 - 0.9	TMR. A.3
Solubility	Soluble in water	TMR. A.6
Partition coefficient	Not available	Not applicable. This property is not relevant for mixtures
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
Viscosity	No Data Available	Not applicable. This property is not relevant for solid product
		forms
Explosive properties	No data available	Not applicable. This product is not classified as explosive as it
		does not contain any substances which possesses explosive
		properties CLP (Art 14 (2)).
Oxidizing properties	Product is not an oxidizer	
	-UN.O.1	

#### 9.2. Other information

Other information No 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

See section 10.1 on reactivity for more information.

#### 10.4. Conditions to avoid

None under normal use conditions.

#### 10.5. Incompatible materials

Not relevant.

#### 10.6. Hazardous decomposition products

None under normal use conditions.

## Section 11: TOXICOLOGICAL INFORMATION

## 11.1 Information on toxicological effects

#### <u>Mixture</u>

Acute toxicity	Not Classified.	Based on the available	data, the classification criteria are not met.
Skin corrosion/irritation	Not Classified.	Based on the available	data, the classification criteria are not met.
Serious eye damage/eye irritation	Causes serious		
Skin sensitization	Not Classified.	Based on the available	data, the classification criteria are not met.
Respiratory sensitization	Not Classified.	Based on the available	data, the classification criteria are not met.
Germ cell mutagenicity	Not Classified.	Based on the available	data, the classification criteria are not met.
Carcinogenicity	Not Classified.	Based on the available	data, the classification criteria are not met.
Reproductive toxicity	Not Classified.	Based on the available	data, the classification criteria are not met.
STOT - single exposure	Not Classified.	Based on the available	data, the classification criteria are not met.
STOT - repeated exposure	Not Classified.	Based on the available	data, the classification criteria are not met.
Aspiration hazard	Not Classified.	Based on the available	data, the classification criteria are not met.

#### Substances in the mixture

Chemical Name	CAS No	Oral LD50	Dermal LD50	Inhalation LC50
Sodium Carbonate	497-19-8	2800 mg/kg bw	> 2000 mg/kg bw (US EPA	-
			16 CFR 1500.40)	
Sodium Carbonate Peroxide	15630-89-4	893 mg/kg bw (US EPA	> 2000 mg/kg bw (US EPA)	-
		1984)		
Sodium C10-13 Alkyl	68411-30-3	1080 mg/kg bw (OECD 401)	> 2000 mg/kg bw (OECD	-
Benzenesulfonate			402)	
Sodium Silicate	1344-09-8	3400 mg/kg bw (OECD 401)	> 5000 mg/kg bw	> 2.06 mg/L air (OECD 403)
C12-14 Pareth-n	68439-50-9	>300-2000 mg/kg bw (Rat)	> 5000 mg/kg bw	-

## Section 12: ECOLOGICAL INFORMATION

## 12.1. Toxicity

**Ecotoxicity effects** 

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 to cause long-term adverse effects in the environment.

**Acute toxicity** 

Chemical Name	CAS No	Fish	Algae/aquatic plants	Crustacea	Toxicity to microorganisms
Sodium Carbonate	497-19-8	300 mg/L (Lepomis macrochirus; 96 h)	-	200 mg/L (Ceriodaphnia sp.; 48 h)	-
Sodium Carbonate Peroxide	15630-89-4	70.7 mg/L (Pimephales promelas; 96 h)	-	4.9 mg/L (Daphnia pulex; 48 h)	-
Sodium C10-13 Alkyl Benzenesulfonate	68411-30-3	1.67 mg/L (Guideline: US EPA 850.1075; Lepomis macrochirus; 96 h)	7.4 mg/L (OECD 201; Desmodesmus subspicatus; 72 h)	2.9 mg/L (OECD 202; Daphnia magna; 48 h)	-
Sodium Silicate	1344-09-8	281 mg/L	> 345.4 mg/L	1700 mg/L (EU	>348 mg/L

		(Oncorhynchus	(Desmodesmus	Method C.2; Daphnia	(Pseudomonas
		mykiss; 96 h)	subspicatus; 72 h)	magna; 48 h)	putida; 18 h)
C12-14 Pareth-n	68439-50-9	>1-10 mg/L (OECD	>1-10 mg/L (OECD	> 1 - 10 mg/L (OECD	=
		203; Cyprinus carpio;	201; Desmodesmus	202; Daphnia magna;	
		flow-through test)	subspicatus (green	static test)	
			algae); static test)		

**Chronic Toxicity** 

Chemical Name	CAS No	Toxicity to fish (NOEC or ECx)*	Toxicity to algae (NOEC or ECx)*	Toxicity to daphnia and other aquatic invertebrates (NOEC or ECx)*	Toxicity to Microorganisms (NOEC or ECx)*
Sodium C10-13 Alkyl	68411-30-3	0.23 mg/L (// OECD	< 1.28 mg/L (OECD	1.18 mg/L (// OECD	
Benzenesulfonate		210; Oncorhynchus	201; Desmodesmus	211; Daphnia magna;	
		mykiss; 72 d)	subspicatus; 3 d)	21 d)	
Sodium Silicate	1344-09-8	348 mg/L ((OECD			
		203; Danio rerio; 4			
		d)			

## 12.2. Persistence and degradability

Persistence and degradability

Chemical Name	CAS No	Persistence and degradability	Ready Biodegradation Test (OECD 301)	Biodegradation Other Tests
Sodium C10-13 Alkyl Benzenesulfonate	68411-30-3		85% CO2; OECD 301 B	85% CO2; 29 d; OECD 301 B
C12-14 Pareth-n	68439-50-9		> 70 % (OECD 301 A (new version); 28 d; aerobic) and > 60 %( OECD 301 B; 28 d; aerobic)	

#### 12.3. Bioaccumulative potential

**Bioaccumulative potential** 

No information available.

Chemical Name	CAS No	Bioaccumulative potential	Octanol/water partition coefficient
Sodium Carbonate	497-19-8	Not measured	
Sodium Carbonate Peroxide	15630-89-4	Not measured	
Sodium C10-13 Alkyl Benzenesulfonate	68411-30-3	Not expected to bioaccumulate due to the low log Kow (log Kow < 4)	1.4
Sodium Silicate	1344-09-8	Not measured	

## 12.4. Mobility in soil

Mobility

No information available.

## 12.5. Results of PBT and vPvB assessment

PBT and vPvB assessment

This mixture does not contain any substances that are assessed to be a PBT or a vPvB.

#### 12.6 Other adverse effects

Other adverse effects

No information available.

## Section 13: DISPOSAL CONSIDERATIONS

### 13.1. Waste treatment methods

Waste from Residues/Unused Products

**Disposal Recommendations** 

Dispose of in accordance with local regulations.

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. For handling waste, see measures described in section 7. Empty, uncleaned packaging need the same disposal considerations as filled packaging.

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Waste codes / waste designations 20 01 29\* - detergents containing dangerous substances

according to EWC / AVV 15 01 10\* - packaging containing residues of or contaminated by dangerous substances

13.2 Additional information

#### Section 14: TRANSPORT INFORMATION

#### **IMDG**

**14.1 UN number or ID number 14.2 UN proper shipping name**Not regulated Not relevant

14.3 Transport hazard class(es) No information available

14.4 Packing group14.5 Marine pollutantNot relevantNot regulated

14.7 Transport in bulk according to No information available

Annex II of MARPOL and the IBC

Code

**14.1 UN number or ID number 14.2 UN proper shipping name**Not regulated Not relevant

14.3 Transport hazard class(es)14.4 Packing groupNo information availableNo information available

14.5 Marine pollutant Not regulated

ADR

**14.1 UN number or ID number 14.2 UN proper shipping name**Not relevant
Not relevant

14.3 Transport hazard class(es) No information available

14.4 Packing groupNot relevant14.5 Marine pollutantNot regulated

**RID** 

**14.1 UN number or ID number 14.2 UN proper shipping name**Not relevant
Not relevant

14.3

14.4 Packing groupNot relevant14.5 Marine pollutantNot regulated

ADN

**14.1 UN number**Not relevant **14.2 UN proper shipping name**Not relevant

14.3

14.4 Packing groupNot relevant14.5 Marine pollutantNot regulated

## Section 15: REGULATORY INFORMATION

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

**EU Regulations** 

Regulation (EC) No. 1907/2006, REACH Annex XVII Substances subject to restriction on marketing and use as amended Contains no REACH substances with Annex XVII restrictions.

Regulation (EC) No. 1907/2006,

REACH Annex XVII Substances subject to restriction on marketing

and use as amended

Contains no substance on the REACH candidate list.

Regulation (EC) No. 143/2011 Annex Contains no REACH Annex XIV substances.

XIV Substances Subject to

Authorisation

**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

(EC 1907/2006).

Other regulations, restrictions and prohibition regulations

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

**National regulatory information** 

No information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out for this mixture per REACH **Chemical Safety Assessment** 

regulation.

## Section 16: OTHER INFORMATION

16.1 Indication of changes

**Issuing Date:** 09-Apr-2021 **Revision date** 09-Apr-2021 **Revision Note** Not relevant

#### 16.2 Abbreviations and acronyms

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road

ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways

ATE: Acute Toxicity Estimate DNEL: Derived No Effect Level

EC50: Calculated concentration causing a 50% reduction in cellular reproduction

IATA: International Air Transport Association

IMDG: International Maritime Dangerous Goods Code LC50: Lethal Concentration to 50% of a test population

LD50: Lethal Dose to 50% of a test population (Median Lethal Dose)

OECD - Organization for Economic Cooperation and Development

OEL: Occupational Exposure Limit

PBT: Persistent, Bioaccumulative and Toxic substance

PNEC(s): Predicted No Effect Concentration(s)

REACH- Registration, Evaluation and Authorization of Chemicals

vPvB: Very Persistent and Very Bioaccumulative

## 16.3 Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008

### Serious eye damage/eye irritation

Category 2 Expert judgment and weight of evidence determination

### 16.4 Full text of H-Statements referred to under sections 2 and 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

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This safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006 and its amendment Regulation (EU) 2015/830

## 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.

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.

**End of Safety Data Sheet**