## SAFETY DATA SHEET



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

Issuing Date: 23-Jul-2021 Revision date 23-Jul-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 Washing Powder

Product Identifier 90017422\_A\_RET\_CLP\_EUR\_SAW

Synonyms C-90017422-002 Product group Trade Product

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

Recommended use Intended for general public

Main user categorySU 21 - Consumer uses: Private households (= general public = consumers)Use categoryPC35 - 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, 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)

This mixture does not contain any substances to be mentioned according to the criteria of section 3.2 of REACH annex II

#### Adverse human health effects and symptoms

No information available

#### 2.2. Label elements

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



Signal word Warning

Revision date 23-Jul-2021

Hazard statements H319 - Causes serious eye irritation

Precautionary statements P102 - Keep out of reach of children

P305 - IF IN EYES:

P351 - Rinse cautiously with water for several minutes P312 - Call a POISON CENTER or doctor 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 number	Weight-%	Classification according to Regulation (EC) No. 1272/2008 [CLP]	M-Factor (long-term )	M-Factor
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)		

This mixture does not contain any substances to be mentioned according to the criteria of section 3.2 of REACH annex II.

#### 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

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

Skin 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

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

**Extinguishing Media Which Must** 

Not Be Used For Safety Reasons

5.2. Special hazards arising from the substance or mixture

**Explosion hazard** Product is not explosive.

Reactivity No dangerous reaction known under conditions of normal use

Not relevant.

5.3. Advice for firefighters

Special protective equipment for

No specific firefighting instructions required. fire-fighters

Protective equipment and precautions for firefighters 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.

Small quantities of solid spill: wash down with water. Large Spills:. Scoop solid spill into Methods for cleaning up

closing containers. This material and its container must be disposed of in a safe way, and

as per local legislation.

Other information Other information.

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

Store in original container. Refer to section 10.

conditions

Incompatible products Refer to section 10. **Incompatible Materials** 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	Short term Systemic	Short term Systems	12.8 mg/kg

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/m <sup>3</sup>

Chemical Name	CAS No	Worker - dermal, long-term - local	Worker - inhalative, long-term - local
Sodium Carbonate	497-19-8	1000.	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, long-term - local	Consumer - dermal, long-term - local
Sodium C10-13 Alkyl Benzenesulfonate	68411-30-3	0.425 mg/kg bw/d		
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	no data; no toxicity	no data; no toxicity
		expected	expected	expected
Sodium Carbonate Peroxide	15630-89-4	0.035 mg/L	0.035 mg/L	0.035 mg/L
Sodium C10-13 Alkyl	68411-30-3	0.268 mg/L	0.027 mg/L	0.017 mg/L
Benzenesulfonate				
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		
1			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** Wear suitable gloves. **Eye Protection** Wear eye/face protection.

Skin and Body Protection Not relevant.
Respiratory Protection Not relevant.
Thermal hazards Not relevant.

**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	
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 range	No data available	Not applicable. This property is not relevant for solid product forms
Flash point	No data available	Not applicable. This property is not relevant for solid product forms
Relative Evaporation Rate (butylacetate=1)	No data available	Not available. This property is not relevant for the safety and classification of this product
Flammability	Not relevant	The product is not flammable
Upper/lower flammability or explosive limits	No data available	Not available. This property is not relevant for the safety and classification of this product
Vapor pressure	No data available	Not applicable. This property is not relevant for solid product forms
Relative density	0.4 - 0.9	TMR. A.3
Solubility	Soluble in water	
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

#### Mixture

Not Classified. Based on the available data, the classification criteria are not met. **Acute toxicity** Skin corrosion/irritation Causes skin irritation. Serious eye damage/eye irritation Causes serious eye damage. Not Classified. Based on the available data, the classification criteria are not met. Skin sensitization 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. Not Classified. Based on the available data, the classification criteria are not met. STOT - single exposure STOT - repeated exposure Not Classified. Based on the available data, the classification criteria are not met.

#### Substances in the mixture

**Aspiration hazard** 

	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)	
Sodi	ium 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	-

Not Classified. Based on the available data, the classification criteria are not met.

#### 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)	1	200 mg/L (Ceriodaphnia sp.; 48 h)	-
Sodium Carbonate Peroxide	15630-89-4	70.7 mg/L (Pimephales promelas; 96 h)	<u>-</u>	4.9 mg/L (Daphnia pulex; 48 h)	-

Sodium C10-13 Alkyl	68411-30-3	1.67 mg/L (Guideline:	7.4 mg/L (OECD 201;	2.9 mg/L (OECD 202;	-
Benzenesulfonate		US EPA 850.1075;	Desmodesmus	Daphnia magna; 48	
		Lepomis	subspicatus; 72 h)	h)	
		macrochirus; 96 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	, ,	Biodegradation Other
		degradability	Test (OECD 301)	Tests
Sodium C10-13 Alkyl	68411-30-3		85% CO2; OECD 301 B	85% CO2; 29 d; OECD
Benzenesulfonate				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

Dispose of in accordance with local regulations.

**Disposal Recommendations** 

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

Revision date 23-Jul-2021

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.

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 numberNot regulated14.2 UN proper shipping nameNot relevant

14.3 Transport hazard class(es) No information available

14.4 Packing groupNot relevant14.5 Marine pollutantNot 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**Not relevant **14.2 UN proper shipping name**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

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 Contains no REACH substances with Annex XVII restrictions.

and use as amended

Regulation (EC) No. 1907/2006, Contains no substance on the REACH candidate list.

Revision date 23-Jul-2021

REACH Annex XVII Substances subject to restriction on marketing and use as amended

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

Chemical Safety Assessment

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

regulation.

#### Section 16: OTHER INFORMATION

16.1 Indication of changes

Issuing Date:23-Jul-2021Revision date23-Jul-2021Revision NoteNot 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 [CLP]

- Calculation method

#### Serious eye damage/eye irritation

Category 2 - Calculation method

#### 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

90017422\_A\_RET\_CLP\_EUR\_SAW - ARIEL Washing Powder

Revision date 23-Jul-2021

- H319 Causes serious eye irritation
- H332 Harmful if inhaled
- H335 May cause respiratory irritation
- H412 Harmful to aquatic life with long lasting effects

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**