



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 Essential
Product Identifier	90005426_A_RET_CLP_EUR_SAW
Synonyms	C-90005426-002
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 category	SU 21 - Consumer uses: Private households (= general public = consumers)
Use category	PC35 - Washing and cleaning products (including solvent based products)
Uses advised against	No information available

Product category	Laundry Powder
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1.3. Details of the supplier of the safety data sheet

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

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 in classification No presence of PBT and vPvB ingredients.

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 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 Carbonate	497-19-8	207-838-8	01-2119485498-19	5 - 10	Eye Irrit. 2(H319)		
Sodium C10-13 Alkyl Benzenesulfonate	68411-30-3	270-115-0	01-2119489428-22	5 - 10	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	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.

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 contact Redness. Swelling. Dryness. Itching.

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

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

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 (CO₂).

Extinguishing Media Which Must Not Be Used For Safety Reasons Not relevant.

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

5.3. Advice for firefighters

Special protective equipment for fire-fighters No specific firefighting instructions required.

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.

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 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 conditions Store in original container. Refer to section 10.

Incompatible products Refer to section 10.

Incompatible Materials Refer to section 10

Prohibitions on mixed storage Not relevant.

Requirements for storage rooms and containers Store in a cool area. Store in a dry area. Keep away from heat.

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/m ³
Sodium Silicate	1344-09-8		1.59 mg/kg bw/d	5.61 mg/m ³

Chemical Name	CAS No	Worker - dermal, long-term - local	Worker - inhalative, long-term - local
Sodium Carbonate Peroxide	15630-89-4	12.8 mg/cm ²	5 mg/m ³
Sodium Carbonate	497-19-8		10 mg/m ³

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/m ³	42.5 mg/kg bw/d
Sodium Silicate	1344-09-8	1.38 mg/m ³	0.8 mg/kg bw/d

Predicted No Effect Concentration (PNEC)

Chemical Name	CAS No	Fresh Water	Marine water	Intermittent release
Sodium Carbonate Peroxide	15630-89-4	0.035 mg/L	0.035 mg/L	0.035 mg/L
Sodium Carbonate	497-19-8	no data; no toxicity expected	no data; no toxicity expected	no data; no toxicity expected
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 Peroxide	15630-89-4			16.24 mg/L
Sodium Carbonate	497-19-8	no data; no toxicity expected	no data; no toxicity expected	no data; no toxicity expected
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	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
pH	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

Acute toxicity	Not Classified. Based on the available data, the classification criteria are not met.
Skin corrosion/irritation	Causes skin irritation.
Serious eye damage/eye irritation	Causes serious eye damage.
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 Peroxide	15630-89-4	893 mg/kg bw (US EPA 1984)	> 2000 mg/kg bw (US EPA)	-
Sodium Carbonate	497-19-8	2800 mg/kg bw	> 2000 mg/kg bw (US EPA 16 CFR 1500.40)	-
Sodium C10-13 Alkyl Benzenesulfonate	68411-30-3	1080 mg/kg bw (OECD 401)	> 2000 mg/kg bw (OECD 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 Peroxide	15630-89-4	70.7 mg/L (Pimephales promelas; 96 h)	-	4.9 mg/L (Daphnia pulex; 48 h)	-
Sodium Carbonate	497-19-8	300 mg/L (Lepomis macrochirus; 96 h)	-	200 mg/L (Ceriodaphnia sp.; 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 (Oncorhynchus mykiss; 96 h)	> 345.4 mg/L (Desmodesmus subspicatus; 72 h)	1700 mg/L (EU Method C.2; Daphnia magna; 48 h)	>348 mg/L (Pseudomonas putida; 18 h)
C12-14 Pareth-n	68439-50-9	>1-10 mg/L (OECD 203; Cyprinus carpio; flow-through test)	>1-10 mg/L (OECD 201; Desmodesmus subspicatus (green algae); static test)	> 1 - 10 mg/L (OECD 202; Daphnia magna; 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 Benzenesulfonate	68411-30-3	0.23 mg/L (// OECD 210; Oncorhynchus mykiss; 72 d)	< 1.28 mg/L (OECD 201; Desmodesmus subspicatus; 3 d)	1.18 mg/L (// OECD 211; Daphnia magna; 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% CO ₂ ; OECD 301 B	85% CO ₂ ; 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 Peroxide	15630-89-4	Not measured	
Sodium Carbonate	497-19-8	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

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 according to EWC / AVV 20 01 29* - detergents containing dangerous substances
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 Not regulated
14.2 UN proper shipping name Not relevant
14.3 Transport hazard class(es) No information available
14.4 Packing group Not relevant
14.5 Marine pollutant Not regulated
14.7 Transport in bulk according to Annex II of MARPOL and the IBC Code No information available

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

RID

14.1 UN number or ID number Not relevant
14.2 UN proper shipping name Not relevant
14.3 Not relevant
14.4 Packing group Not relevant
14.5 Marine pollutant Not regulated

ADN

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

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, Contains no substance on the REACH candidate list.

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

Regulation (EC) No. 143/2011 Annex XIV Substances Subject to Authorisation Contains no REACH Annex XIV substances.

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.

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 (EC 1907/2006).

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-2021
Revision date	23-Jul-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 [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

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