# SAFETY DATA SHEET

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

Issuing Date: 09-Apr-2021

P&G

**Professional** 

Revision date 09-Apr-2021

**Revision Number** 1

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

| 1.1. Product identifier                |   | Thomas   | <b>RECEIVED</b><br>Thomas Ridley QC Dept.   |
|--|---|--|---|
| Product Form                           | Mixture   | FOODSERVICE  | 1:03 pm, 14 Mar 2024  |
| Product Name                           | ARIEL Professional – Essential                                    | The feed information supplied by T   | homas Ridley Foodservice has been provided  |
| Product Identifier                     | 91771722_PGP_CLP_EUR_SAW  | by the respective product manufac  | turer. Whilst we use reasonable endeavours to<br>its accuracy, we do not give any warranty  |
| Synonyms                               | C-91771722-001  | (whether express or implied), guare<br>or complete in any respect.   | antee or representation that it is true, accurate   |
| Product group                          | Trade Product   | advice may change from time to tim<br>read the product label prior to usin<br>should not solely rely upon the info | s, nutritional guides and dietary or allergy<br>ne, we recommend that you always carefully<br>ig or consuming any such products. You<br>ormation we provide and make your own |
| 1.2. Relevant identified uses of the   | substance or mixture and uses advised against                     | assessment as to the suitability or  | otherwise of any given product.   |
| Recommended use                        | Restricted to professional users                                  |  |   |
| Main user category                     | SU 22 - Professional uses   |  |   |
| Use category                           | PC35 - Washing and cleaning products (including solvent based pro | ducts)   |   |
| Uses advised against                   | No information available  | ,  |   |
| Product category                       | Laundry Powder  |  |   |
| 1.3. Details of the supplier of the sa | fety data sheet   |  |   |
| Details of the supplier of the safety  | Procter & Gamble UK Brooklands PGP, Weybridge, Surrey, KT13 02    | XP, UK Tel: 01   | 932   |
| 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 50    | 9 497  |   |
| Section 2: HAZARDS IDENTI              | FICATION  |  |   |

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

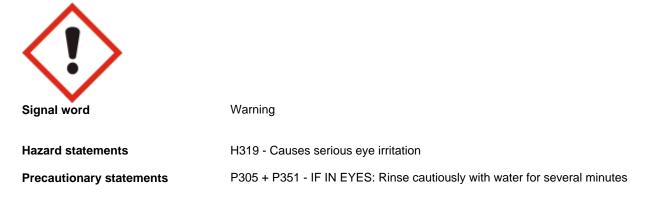
Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP] Serious eye damage/eye irritation Category 2 - (H319)

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



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<br>number | Weight-% | Classification according to<br>Regulation (EC) No.<br>1272/2008 [CLP]                           | M-Factor<br>(long-term<br>) | 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)<br>Acute Tox. 4 (Oral)(H302)<br>Eye Dam. 1(H318)                               |                             |          |
| Sodium C10-13 Alkyl<br>Benzenesulfonate | 68411-30-3 | 270-115-0 | 01-2119489428-22             | 10 - 20  | Acute Tox. 4 (Oral)(H302)<br>Skin Irrit. 2(H315)<br>Eye Dam. 1(H318)<br>Aquatic Chronic 3(H412) |                             |          |
| Sodium Silicate                         | 1344-09-8  | 215-687-4 | 01-2119448725-31             | 5 - 10   | Skin Irrit. 2(H315)<br>Eye Dam. 1(H318)<br>STOT SE 3(H335)                                      |                             |          |
| C12-14 Pareth-n                         | 68439-50-9 | Polymer   |                              | 1 - 5    | Acute Tox. 4 (Oral)(H302)<br>Eye Dam. 1(H318)<br>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 |  |
|-------------------------------|--|
| Inhalation                    | IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for<br>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<br>present and easy to do. Continue rinsing. Immediately call a POISON CENTER or<br>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 | t 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 2).   |
| Extinguishing Media Which Must<br>Not Be Used For Safety Reasons | Not relevant.   |
| 5.2. Special hazards arising from th                             | e substance or mixture  |
| Fire Hazard  | No 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                   | No specific firefighting instructions required.   |
| Protective equipment and precautions for firefighters            | In case of inadequate ventilation wear respiratory protection.  |
| Section 6: ACCIDENTAL REL  | EASE MEASURES   |
| 6.1 Personal procautions protectiv                               | e 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 conta                              |   |
| 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 S  | TORAGE  |
| 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, inc                            | cluding any incompatibilities   |
| Teshnisel messures/Charges                                       | Other in string to set the set of the section 40  |

| The oblighter of our otorage, in |   |
|----------------------------------|---|
| 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,<br>short-term - systemic | Worker - inhalative,<br>short-term - systemic | Worker - dermal,<br>short-term - local |
|---------------------------|------------|---|---|--|
| Sodium Carbonate Peroxide | 15630-89-4 |   |   | 12.8 mg/kg<br>bodyweight/day           |

| Chemical Name                           | CAS No     | Worker - inhalative,<br>short-term - local | Worker - dermal,<br>long-term - systemic | Worker - inhalative,<br>long-term - systemic |
|---|------------|--|--|--|
| Sodium C10-13 Alkyl<br>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 -<br>local | Worker - inhalative, long-term -<br>local |  |
|---------------------------|------------|---------------------------------------|---|--|
| Sodium Carbonate          | 497-19-8   |                                       | 10 mg/m <sup>3</sup>                      |  |
| Sodium Carbonate Peroxide | 15630-89-4 | 12.8 mg/cm <sup>2</sup>               | 5 mg/m <sup>3</sup>                       |  |

### Consumers

| Chemical Name       | CAS No     | Consumer - oral,<br>long-term - systemic | Consumer - inhalative,<br>long-term - local | Consumer - dermal,<br>long-term - local |
|---------------------|------------|--|---|---|
| Sodium C10-13 Alkyl | 68411-30-3 | 0.425 mg/kg bw/d                         |   |   |
| Benzenesulfonate    |            |  |   |   |
| Sodium Silicate     | 1344-09-8  | 0.8 mg/kg bw/d                           |   |   |

| Chemical Name                        | CAS No     | Consumer - inhalative,<br>long-term - systemic | Consumer - dermal, long-term -<br>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/m <sup>3</sup>                         | 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<br>expected | no data; no toxicity<br>expected | no data; no toxicity<br>expected |
| Sodium Carbonate Peroxide               | 15630-89-4 | 0.035 mg/L                       | 0.035 mg/L                       | 0.035 mg/L                       |
| Sodium C10-13 Alkyl<br>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<br>plant        |
|---|------------|----------------------------------|----------------------------------|----------------------------------|
| Sodium Carbonate                        | 497-19-8   | no data; no toxicity<br>expected | no data; no toxicity<br>expected | no data; no toxicity<br>expected |
| Sodium Carbonate Peroxide               | 15630-89-4 |                                  |                                  | 16.24 mg/L                       |
| Sodium C10-13 Alkyl<br>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<br>expected |     |      |
| Sodium C10-13 Alkyl<br>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 Protection        | Not relevant.                 |
| Respiratory Protection          | Not relevant.                 |
| Thermal hazards                 | Not relevant.                 |
| Environmental exposure controls | Prevent that the undiluted pr |

Iot relevant. Vear eye/face protection. Iot relevant. Iot relevant. Iot relevant. 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<br>speckles       |  |
| Odor  | pleasant (perfume)                    |  |
| Odor threshold                                  | No Data Ävailable                     | 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<br>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<br>(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<br>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                                | 0.6 - 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<br>-UN.O.1 |  |

## 9.2. Other information

| Other information    | No information available. |  |
|----------------------|---------------------------|--|
| Section 10: STABILIT | Y 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  | s eye irritation.      |  |
| 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<br>plants                                  | Crustacea                                      | Toxicity to<br>microorganisms |
|---|------------|--|--|--|-------------------------------|
| Sodium Carbonate                        | 497-19-8   | 300 mg/L (Lepomis<br>macrochirus; 96 h)                                    | -  | 200 mg/L<br>(Ceriodaphnia sp.; 48<br>h)        | -                             |
| Sodium Carbonate Peroxide               | 15630-89-4 | 70.7 mg/L<br>(Pimephales<br>promelas; 96 h)                                | -  | 4.9 mg/L (Daphnia<br>pulex; 48 h)              | -                             |
| Sodium C10-13 Alkyl<br>Benzenesulfonate | 68411-30-3 | 1.67 mg/L (Guideline:<br>US EPA 850.1075;<br>Lepomis<br>macrochirus; 96 h) | 7.4 mg/L (OECD 201;<br>Desmodesmus<br>subspicatus; 72 h) | 2.9 mg/L (OECD 202;<br>Daphnia magna; 48<br>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                                  | -                                |
|                     |            | 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      | Toxicity to algae    | Toxicity to daphnia                                  | Toxicity to                      |
|                     |            | (NOEC or ECx)*        | (NOEC or ECx)*       | and other aquatic<br>invertebrates<br>(NOEC or ECx)* | Microorganisms<br>(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    | 00411 00 0 | 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<br>degradability | Ready Biodegradation<br>Test (OECD 301)  | Biodegradation Other<br>Tests |
|---|------------|----------------------------------|--|-------------------------------|
| Sodium C10-13 Alkyl<br>Benzenesulfonate | 68411-30-3 |                                  | 85% CO2; OECD 301 B  | 85% CO2; 29 d; OECD<br>301 B  |
| C12-14 Pareth-n                         | 68439-50-9 |                                  | > 70 % (OECD 301 A (new<br>version); 28 d; aerobic)<br>and > 60 %( OECD 301 B;<br>28 d; aerobic) |                               |

#### 12.3. Bioaccumulative potential

Bioaccumulative potential No info

No information available.

| Chemical Name                        | CAS No     | Bioaccumulative potential  | Octanol/water partition<br>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<br>due to the low log Kow (log Kow <<br>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 a | 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 CC         | DNSIDERATIONS   |

## 13.1. Waste treatment methods

| Waste from Residues/Unused<br>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<br/>according to EWC / AVV20 01 29\* - detergents containing dangerous substances<br/>15 01 10\* - packaging containing residues of or contaminated by dangerous substances13.2 Additional information

## Section 14: TRANSPORT INFORMATION

### IMDG

| <ul> <li>14.1 UN number or ID number</li> <li>14.2 UN proper shipping name</li> <li>14.3 Transport hazard class(es)</li> <li>14.4 Packing group</li> <li>14.5 Marine pollutant</li> <li>14.7 Transport in bulk according to<br/>Annex II of MARPOL and the IBC<br/>Code</li> </ul> | Not regulated<br>Not relevant<br>No information available<br>Not relevant<br>Not regulated<br>No information available |
|--|--|
| <ul> <li>14.1 UN number or ID number</li> <li>14.2 UN proper shipping name</li> <li>14.3 Transport hazard class(es)</li> <li>14.4 Packing group</li> <li>14.5 Marine pollutant</li> </ul>  | Not regulated<br>Not relevant<br>No information available<br>No information available<br>Not regulated                 |
| ADR<br>14.1 UN number or ID number<br>14.2 UN proper shipping name<br>14.3 Transport hazard class(es)<br>14.4 Packing group<br>14.5 Marine pollutant<br>RID  | Not relevant<br>Not relevant<br>No information available<br>Not relevant<br>Not regulated                              |
| 14.1 UN number or ID number<br>14.2 UN proper shipping name<br>14.3<br>14.4 Packing group  | Not relevant<br>Not relevant<br>Not relevant   |
| 14.5 Marine pollutant  | Not regulated  |
| ADN<br>14.1 UN number<br>14.2 UN proper shipping name<br>14.3<br>14.4 Packing group  | Not relevant<br>Not relevant<br>Not relevant   |
| 14.4 Packing group<br>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<br>Regulation (EC) No. 1907/2006,<br>REACH Annex XVII Substances<br>subject to restriction on marketing<br>and use as amended | Contains no REACH substances with Annex XVII restrictions. |
|--|--|
| Regulation (EC) No. 1907/2006,<br>REACH Annex XVII Substances<br>subject to restriction on marketing<br>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. |
|---|---|
| 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                            |   |
|   |   |
| Chamical Cafaty Accessment                                  | No chamical safety assessment has been carried out for this mixture per REACH   |

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:              | 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 [CLP]

## 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

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**