



# SAFETY DATA SHEET

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

Issuing Date: 29-Jan-2021

Revision date 29-Jan-2021

Revision Number 1

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

### 1.1. Product identifier Product identifier

|                    |                            |
|--------------------|----------------------------|
| Product Form       | Mixture                    |
| Product Name       | Bold - Yellow/summerbreeze |
| Product Identifier | 91965112_RET_CLP_EUR_SAW   |
| Synonyms           | C-91965112-001             |
| Product group      | Trade Product              |

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

### 1.3. Details of the supplier of the safety data sheet 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 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 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 elements

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



|                                 |   |
|---------------------------------|---|
| <b>Signal word</b>              | Warning   |
| <b>Hazard statements</b>        | H319 - Causes serious eye irritation  |
| <b>Precautionary statements</b> | P102 - Keep out of reach of children<br>P305 - IF IN EYES:<br>P351 - Rinse cautiously with water for several minutes<br>P301 + P312 - IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell |

EUH208 - Contains Tetramethyl Acetyloctahydronaphthalenes, Methyl 2-[[[4-(4-hydroxy-4-methylpentyl)-3-cyclohexenyl]methylene]amino]Benzoate, Hydroxyisohexyl 3-Cyclohexene Carboxaldehyde, Benzisothiazolinone, Isoeugenol May produce an allergic reaction.

### 2.3. Other hazards 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 C10-13 Alkyl Benzenesulfonate   | 68411-30-3  | 270-115-0 | 01-2119489428-22          | 5 - 10   | Acute Tox. 4 (Oral)(H302)<br>Skin Irrit. 2(H315)<br>Eye Dam. 1(H318)<br>Aquatic Chronic 3(H412)                          |                      |          |
| Sodium Laureth Sulfate   | 68585-34-2  | 500-234-8 |                           | 5 - 10   | Skin Irrit. 2(H315)<br>Eye Irrit. 2(H319)  |                      |          |
| C15 Pareth-n   | 34398-05-5  |           |                           | 1 - 5    | Acute Tox. 4 (Oral)(H302)<br>Eye Dam. 1(H318)<br>Aquatic Acute 1(H400)<br>Aquatic Chronic 3(H412)                        |                      |          |
| Benzenesulfonic acid, 4-(1-methylethyl)-, sodium salt (1:1)/ Benzene, (1-methylethyl)-, monosulfonate deriv., sodium salt (1:1)/ Benzenesulfonic acid, (1-methylethyl)-, sodium salt (1:1) | 15763-76-5  |           |                           | 1 - 5    | Eye Irrit. 2(H319)   |                      |          |
| MEA-C10-13 Alkyl Benzenesulfonate  | 85480-55-3  | 287-335-8 | 01-2119905842-39          | 1 - 5    | Acute Tox. 4 (Oral)(H302)<br>Skin Irrit. 2(H315)<br>Eye Dam. 1(H318)<br>Aquatic Chronic 3(H412)                          |                      |          |
| Lauramine Oxide  | 308062-28-4 | 931-292-6 | 01-2119490061-47          | <1       | Acute Tox. 4 (Oral)(H302)<br>Skin Irrit. 2(H315)<br>Eye Dam. 1(H318)<br>Aquatic Acute 1(H400)<br>Aquatic Chronic 2(H411) |                      | 1        |
| C12-14 Pareth-n  | 68439-50-9  | 500-213-3 |                           | <1       | Eye Irrit. 2(H319)<br>Aquatic Acute 1(H400)<br>Aquatic Chronic 3(H412)   |                      |          |
| Tetramethyl Acetyloctahydronaphthalenes  | 54464-57-2  | 259-174-3 | 01-2119489989-04          | <1       | Skin Irrit. 2(H315)<br>Skin Sens. 1B(H317)<br>Aquatic Chronic 1(H410)  |                      |          |
| Methyl 2-[[[4-(4-hydroxy-4-methylpentyl)-3-cyclohexenyl]methylene]   | 67634-12-2  | 266-816-6 |                           | <1       | Skin Sens. 1A(H317)  |                      |          |

|  |            |           |                  |    |  |  |     |
|--|------------|-----------|------------------|----|--|--|-----|
| ne]amino]Benzoate                                  |            |           |                  |    |  |  |     |
| Hydroxyisohexyl<br>3-Cyclohexene<br>Carboxaldehyde | 31906-04-4 | 250-863-4 | 01-2119971808-21 | <1 | Skin Sens. 1A(H317)  |  |     |
| Benzisothiazolinone                                | 2634-33-5  | 220-120-9 |                  | <1 | Acute Tox. 4 (Oral)(H302)<br>Skin Irrit. 2(H315)<br>Eye Dam. 1(H318)<br>Skin Sens. 1(H317)<br>Aquatic Acute 1(H400)<br>Aquatic Chronic 2(H411) |  | 100 |

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 Description of first-aid measures

|                     |  |
|---------------------|--|
| <b>Inhalation</b>   | 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.               |
| <b>Skin contact</b> | IF ON SKIN: Wash with plenty of water and soap. Remove/Take off immediately all contaminated clothing. If skin irritation occurs: Get medical advice and attention.                    |
| <b>Eye contact</b>  | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician. |
| <b>Ingestion</b>    | 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 Most important symptoms and effects, both acute and delayed

|   |  |
|---|--|
| <b>Symptoms/injuries after inhalation</b>   | Coughing. Sneezing.  |
| <b>Symptoms/injuries after skin contact</b> | Redness. Swelling. Dryness. Itching.   |
| <b>Symptoms/injuries after eye contact</b>  | Severe pain. Redness. Swelling. Blurred vision.  |
| <b>Symptoms/injuries after ingestion</b>    | Oral mucosal or gastro-intestinal irritation. Nausea. Excessive secretion. Diarrhea. Vomiting. |

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

Refer to section 4.1.

## Section 5: FIRE FIGHTING MEASURES

### 5.1. Extinguishing media 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 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 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 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**

**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 and materials for containment and cleaning up**

**Methods for containment** Scoop absorbed substance into closing containers.  
**Methods for cleaning up** Small quantities of liquid spill: take up in non-combustible absorbent material and shovel into container for disposal. Large Spills: contain released substance, pump into suitable containers. This material and its container must be disposed of in a safe way, and as per local legislation.  
**Other information** Not relevant.

**6.4. Reference to other sections Reference to other sections**

**Other information** Refer to Sections 8 and 13.

**Section 7: HANDLING AND STORAGE**

**7.1. Precautions for safe handling Precautions for safe handling**

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

**7.3. Specific end use(s) Specific end use(s)**

Refer to section 1.2.

**Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

**8.1. Control parameters Control parameters**

**National Occupational Exposure Limits** No information available

**Derived No Effect Level (DNEL)**

**Workers**

| 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 <sup>3</sup>                       |
| Lauramine Oxide                         | 308062-28-4 |   | 11 mg/kg bw/d                         | 6.2 mg/m <sup>3</sup>                     |
| Tetramethyl Acetyloctahydronaphthalenes | 54464-57-2  |   | 3.6 mg/kg bw/d                        | 7.33 mg/m <sup>3</sup>                    |

| Chemical Name                           | CAS No     | Worker - dermal, long-term - local | Worker - inhalative, long-term - local |
|---|------------|------------------------------------|--|
| Tetramethyl Acetyloctahydronaphthalenes | 54464-57-2 | 648 µg/cm <sup>2</sup>             |  |

**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                      |  |                                      |
| Lauramine Oxide                         | 308062-28-4 | 0.44 mg/kg bw/d                       |  |                                      |
| Tetramethyl Acetyloctahydronaphthalenes | 54464-57-2  | 1.25 mg/kg bw/d                       |  | 380 µg/cm²                           |

| 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                         |
| Lauramine Oxide                         | 308062-28-4 | 1.53 mg/m³                                  | 5.5 mg/kg bw/d                          |
| Tetramethyl Acetyloctahydronaphthalenes | 54464-57-2  | 2.16 mg/m³                                  | 2.15 mg/kg bw/d                         |

### Predicted No Effect Concentration (PNEC)

| Chemical Name                           | CAS No      | Fresh Water | Marine water | Intermittent release |
|---|-------------|-------------|--------------|----------------------|
| Sodium C10-13 Alkyl Benzenesulfonate    | 68411-30-3  | 0.268 mg/L  | 0.027 mg/L   | 0.017 mg/L           |
| Lauramine Oxide                         | 308062-28-4 | 0.0335 mg/L | 0.00335 mg/L | 0.0335 mg/L          |
| Tetramethyl Acetyloctahydronaphthalenes | 54464-57-2  | 0.0028 mg/L | 0.00028 mg/L |                      |

| Chemical Name                           | CAS No      | Freshwater sediment    | Marine sediment         | Sewage treatment plant |
|---|-------------|------------------------|-------------------------|------------------------|
| Sodium C10-13 Alkyl Benzenesulfonate    | 68411-30-3  | 8.1 mg/kg sediment dw  | 6.8 mg/kg sediment dw   | 3.43 mg/L              |
| Lauramine Oxide                         | 308062-28-4 | 5.24 mg/kg sediment dw | 0.524 mg/kg sediment dw | 24 mg/L                |
| Tetramethyl Acetyloctahydronaphthalenes | 54464-57-2  | 3.73 mg/kg sediment dw | 0.75 mg/kg sediment dw  | 10 mg/L                |

| Chemical Name                           | CAS No      | Soil               | air | Oral |
|---|-------------|--------------------|-----|------|
| Sodium C10-13 Alkyl Benzenesulfonate    | 68411-30-3  | 35 mg/kg soil dw   |     |      |
| Lauramine Oxide                         | 308062-28-4 | 1.02 mg/kg soil dw |     |      |
| Tetramethyl Acetyloctahydronaphthalenes | 54464-57-2  | 2.7 mg/kg soil dw  |     |      |

### 8.2. Exposure controls 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 product reaches surface waters.

## Section 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1. Information on basic physical and chemical properties Information on basic physical and chemical properties

| Property       | Value / Units      | Test Method / Notes                      |
|----------------|--------------------|--|
| Appearance     | Liquid             |  |
| Physical state | Liquid             |  |
| Color          | Coloured           |  |
| Odor           | pleasant (perfume) |  |
| Odor threshold | No Data Available  | Perceived odor at typical use conditions |
| pH             | 7 - 9              |  |

|   |                   |  |
|---|-------------------|--|
| <b>Melting point / freezing point</b>               |                   | Not available. This property is not relevant for the safety and classification of this product   |
| <b>Initial boiling point and boiling range</b>      | > 95 °C           |  |
| <b>Flash point</b>                                  |                   | No Flash to Boiling (NFTB)   |
| <b>Relative Evaporation Rate (butylacetate=1)</b>   | No data available | Not available. This property is not relevant for the safety and classification of this product   |
| <b>Flammability</b>                                 | Not relevant      | Not applicable. This property is not relevant for liquid product forms   |
| <b>Upper/lower flammability or explosive limits</b> | No data available | Not applicable. This property is not relevant for the safety and classification of the product   |
| <b>Vapor pressure</b>                               | No data available | Not available. This property is not relevant for the safety and classification of this product   |
| <b>Relative density</b>                             | 1 - 1.1           |  |
| <b>Solubility</b>                                   | Soluble in water  |  |
| <b>Partition coefficient</b>                        | Not available     | Not applicable. This property is not relevant for mixtures   |
| <b>Autoignition temperature</b>                     | No data available | Not available. This property is not relevant for the safety and classification of this product   |
| <b>Decomposition temperature</b>                    | No data available | Not available. This property is not relevant for the safety and classification of this product   |
| <b>Viscosity</b>                                    | 100 - 1000 cP     |  |
| <b>Explosive properties</b>                         | 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)). |
| <b>Oxidizing properties</b>                         | No Data Available | Not applicable. This product is not classified as oxidizing as it does not contain any substances which possesses oxidizing properties CLP (Art 14 (2) ) |

**9.2. Other information Other information**

Other information No information available.

**Section 10: STABILITY AND REACTIVITY****10.1. Reactivity Reactivity**

No dangerous reactions known.

**10.2. Chemical stability 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 Conditions to Avoid**

None under normal use conditions.

**10.5. Incompatible materials Incompatible materials**

Not relevant.

**10.6. Hazardous decomposition products 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**

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

**Serious eye damage/eye irritation**

Causes serious eye irritation.

|                                  |                 |   |
|----------------------------------|-----------------|---|
| <b>Skin sensitization</b>        | Not Classified. | Based on the available data, the classification criteria are not met. |
| <b>Respiratory sensitization</b> | Not Classified. | Based on the available data, the classification criteria are not met. |
| <b>Germ cell mutagenicity</b>    | Not Classified. | Based on the available data, the classification criteria are not met. |
| <b>Carcinogenicity</b>           | Not Classified. | Based on the available data, the classification criteria are not met. |
| <b>Reproductive toxicity</b>     | Not Classified. | Based on the available data, the classification criteria are not met. |
| <b>STOT - single exposure</b>    | Not Classified. | Based on the available data, the classification criteria are not met. |
| <b>STOT - repeated exposure</b>  | Not Classified. | Based on the available data, the classification criteria are not met. |
| <b>Aspiration hazard</b>         | 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 C10-13 Alkyl Benzenesulfonate         | 68411-30-3  | 1080 mg/kg bw (OECD 401) | > 2000 mg/kg bw (OECD 402) | -               |
| Sodium Laureth Sulfate                       | 68585-34-2  | 4100 mg/kg/bw (OECD 401) | >2000 mg/kg/bw (OECD 402)  | -               |
| Lauramine Oxide                              | 308062-28-4 | 1064 mg/kg bw (OECD 401) | > 2000 mg/kg bw (OECD 402) | -               |
| Tetramethyl Acetyloctahydronaphthalenes      | 54464-57-2  | //                       | //                         | //              |
| Hydroxyisohexyl 3-Cyclohexene Carboxaldehyde | 31906-04-4  | = 3250 µL/kg ( Rat )     | -                          | -               |
| Benzisothiazolinone                          | 2634-33-5   | 1020 mg/kg               | -                          | -               |

**Section 12: ECOLOGICAL INFORMATION**

**12.1. Toxicity 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 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)    | -                          |
| Lauramine Oxide                         | 308062-28-4 | 2.67 mg/L (Pimephales promelas; 96 h)                             | 0.266 mg/L (//OECD 201; Pseudokirchneriella subcapitata; 72 h) | 3.1 mg/L (OECD 202; Daphnia magna; 48 h)    | -                          |
| Tetramethyl Acetyloctahydronaphthalenes | 54464-57-2  | 1.3 mg/L (//OECD 203; Lepomis macrochirus; 96 h)                  | > 2.6 mg/L (//OECD 201; Desmodesmus subspicatus; 72 h)         | 1.38 mg/L (//OECD 202; Daphnia magna; 48 h) | -                          |
| Benzisothiazolinone                     | 2634-33-5   | 0.00997 mg/L (Oncorhynchus mykiss; 96 h)                          | -  | 0.02743 mg/L (Daphnia magna; 48 h)          | -                          |

**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)                       |   |
| Lauramine Oxide                         | 308062-28-4 | 0.42 mg/L (//US EPA OPPTS 850.1500; Pimephales promelas; 302 d) | 0.078 mg/L (//OECD 201; Pseudokirchneriella subcapitata; 3 d) | 0.7 mg/L (//OECD 211; Daphnia magna; 21 d)                         | 24 mg/L (Pseudomonas putida; 18 h)        |
| Tetramethyl Acetyloctahydronaphthalenes | 54464-57-2  | 0.16 mg/L (OECD 210; Danio rerio; 30 d)                         | > 2.6 mg/L (//OECD 201; Desmodesmus subspicatus; 3 d)         | 0.028 mg/L (OECD 211; Daphnia magna; 21 d)                         | > 100 mg/L (OECD 301 F; 42 d)             |

**12.2. Persistence and degradability 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 <sub>2</sub> ; OECD 301 B               | 85% CO <sub>2</sub> ; 29 d; OECD 301 B         |
| Lauramine Oxide                         | 308062-28-4 |                               | 90% CO <sub>2</sub> ; OECD 301 B; > 60% (10 d) | 90% CO <sub>2</sub> ; OECD 301 B; > 60% (10 d) |
| Tetramethyl Acetyloctahydronaphthalenes | 54464-57-2  |                               | 11% O <sub>2</sub> ; OECD 301 C; 28 d          |  |

**12.3. Bioaccumulative potential Bioaccumulative potential**

**Bioaccumulative potential** No information available.

| Chemical Name                           | CAS No      | Bioaccumulative potential  | Octanol/water partition coefficient |
|---|-------------|--|-------------------------------------|
| Sodium C10-13 Alkyl Benzenesulfonate    | 68411-30-3  | Not expected to bioaccumulate due to the low log Kow (log Kow < 4) | 1.4                                 |
| Lauramine Oxide                         | 308062-28-4 | Not expected to bioaccumulate due to the low log Kow (log Kow < 4) | < 2.7                               |
| Tetramethyl Acetyloctahydronaphthalenes | 54464-57-2  |  | 5.65                                |
| Benzisothiazolinone                     | 2634-33-5   | Not measured   |                                     |

**12.4. Mobility in soil Mobility in soil**

**Mobility** No information available.

| Chemical Name                           | CAS No     | log Koc  |
|---|------------|----------|
| Tetramethyl Acetyloctahydronaphthalenes | 54464-57-2 | 13182.56 |

**12.5. Results of PBT and vPvB assessment 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 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 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 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**

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) and its amendment Regulation (EU) 2015/830. Regulation (EC) No. 648/2004 (Detergents regulation).

### **National regulatory information**

#### **15.2. Chemical safety assessment 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**

|                      |              |
|----------------------|--------------|
| <b>Issuing Date:</b> | 29-Jan-2021  |
| <b>Revision date</b> | 29-Jan-2021  |
| <b>Revision Note</b> | 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**

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  
H400 - Very toxic to aquatic life  
H410 - Very toxic to aquatic life with long lasting effects  
H411 - Toxic to aquatic life with long lasting effects  
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**