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Revision Number 1

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product Identifier C-90122100-004_PGP_CLPR7_EUR_SAW
Product Name Fairy Professional Original
Product Form Mixture
Pure substance/mixture Mixture

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

Recommended use Restricted to professional users
Uses advised against No information available
Main user category SU 22 - Professional uses
Product category Hand Dish
Use category PC35 - Washing and cleaning products (including solvent based products)

1.3. Details of the supplier of the safety data sheet

| Supplier | Manufacturer |
|---|---|
| Procter & Gamble UK Brooklands PGP, Weybridge, Surrey, KT13 0XP, UK Tel: 01932 896000 Fax: 01932 896200 | Procter & Gamble London Plant Hedley Avenue, West Thurrock, Grays, Essex RM20 4AL Tel: +44 (0)1375 395000 |
| P&G DCE bvba/sprl-Belgium Dist. Div., Temselaan 100, B-1853 Strombeek-Bever, Belgium (IE) 1800 535 119 | |

For further information, please contact

E-mail address customerservice@pgprof.com

1.4. Emergency telephone number

Emergency Telephone (UK) Emergency Tel: 0800 328 8304 (IRL) Emergency Tel: 1800 509 497

(IRL) Poisons information: for information or to report a poisoning incident contact The National Poisons Information Centre 01 8092166 (8.00 a.m. to 10.00 p.m. 7 days a week)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Regulation (EC) No 1272/2008

| | |
|--|---------------------|
| Serious eye damage/eye irritation | Category 1 - (H318) |
| Chronic aquatic toxicity | Category 3 - (H412) |

2.2. Label elements



Signal word
Danger

Hazard statements

H318 - Causes serious eye damage
H412 - Harmful to aquatic life with long lasting effects

Precautionary Statements - EU (§28, 1272/2008)

P102 - Keep out of reach of children
P280 - Wear eye protection
P310 - Immediately call a POISON CENTER or doctor/physician
P305 + P351 - IF IN EYES: Rinse cautiously with water for several minutes
P501 - Dispose of contents/container to an appropriate local waste system

EUH208 - Contains Methylisothiazolinone May produce an allergic reaction.

2.3. Other hazards

No information available.

Endocrine Disruptor Information There are no substances contained at or above the regulated value for declaration of >0.1% that fall under the definition of confirmed endocrine disruptors of any EU regulation.

SECTION 3: Composition/information on ingredients

3.1 Substances

Not applicable

3.2 Mixtures

| Chemical name | CAS No | Weight-% | REACH registration number | EC No | Classification according to Regulation (EC) No. 1272/2008 [CLP] | Specific concentration limit (SCL) | M-Factor | M-Factor (long-term) |
|------------------------|-------------|----------|---------------------------|-----------|--|------------------------------------|----------|----------------------|
| Sodium Laureth Sulfate | 68585-34-2 | 10 - 20 | No data available | - | Acute Tox. 4 (Oral)(H302) Skin Irrit. 2(H315) Eye Dam. 1(H318) Aquatic Chronic 3(H412) | - | - | - |
| Lauramine Oxide | 308062-28-4 | 5 - 10 | 01-21194900 61-47 | 931-292-6 | Acute Tox. 4 (Oral)(H302) Skin Irrit. 2(H315) Eye Dam. 1(H318) Aquatic Acute 1(H400) Aquatic Chronic 2(H411) | - | 1 | - |
| Alcohol | 64-17-5 | 1 - 5 | 01-21194576 10-43 | 200-578-6 | Flam. Liq. 2(H225) Eye Irrit. 2(H319) | Eye Irrit. 2 :: 50%<=C<100% | - | - |
| Methylisothiazolinone | 2682-20-4 | <1 | 01-21207646 90-50 | 220-239-6 | Acute Tox. 3 (Oral)(H301) Acute Tox. 3 (Dermal)(H311) Acute Tox. 2 | Skin Sens. 1A :: 0.0015%<=C<100% | 1 | 1 |

| | | | | | | | | |
|--|--|--|--|--|--|--|--|--|
| | | | | | (Inhalation:dust,mist)(H330) Skin Corr. 1B(H314) Eye Dam. 1(H318) Skin Sens. 1A(H317) Aquatic Acute 1(H400) Aquatic Chronic 1(H410) | | | |
|--|--|--|--|--|--|--|--|--|

Full text of H- and EUH-phrases: see section 16

Acute Toxicity Estimate

If LD50/LC50 data is not available or does not correspond to the classification category, then the appropriate conversion value from CLP Annex I, Table 3.1.2, is used to calculate the acute toxicity estimate (ATEmix) for classifying a mixture based on its components

This product does not contain candidate substances of very high concern at a concentration $\geq 0.1\%$ (Regulation (EC) No. 1907/2006 (REACH), Article 59).

SECTION 4: First aid measures

4.1. Description of first aid measures

- General advice** Immediate medical attention is required. Show this safety data sheet to the doctor in attendance.
- Inhalation** IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing. (Call a physician if symptoms occur).
- 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.
- Skin contact** IF ON SKIN: Wash with plenty of soap and water. Remove and isolate contaminated clothing and shoes. Get medical attention if symptoms occur. Discontinue use of product.
- Ingestion** IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Call a physician or poison control center immediately.
- Self-protection of the first aider** Avoid contact with skin, eyes or clothing. Wear personal protective clothing (see section 8).

4.2. Most important symptoms and effects, both acute and delayed

Symptoms Coughing and/ or wheezing. Redness. Swelling of tissue. Itching. Sneezing. Dryness. Pain. Blurred vision. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. Excessive secretion.

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

Note to physicians Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

- Suitable Extinguishing Media** Dry chemical. Alcohol resistant foam. Carbon dioxide (CO2).
- Large Fire** CAUTION: Use of water spray when fighting fire may be inefficient.
- Unsuitable extinguishing media** Do not scatter spilled material with high pressure water streams.

5.2. Special hazards arising from the substance or mixture

Specific hazards arising from the chemical None in particular.

5.3. Advice for firefighters

Special protective equipment for fire-fighters Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions Avoid contact with skin, eyes or clothing. Use personal protective equipment as required.
For emergency responders Use personal protection recommended in Section 8.

6.2. Environmental precautions

Environmental precautions See Section 12 for additional Ecological Information.

6.3. Methods and material for containment and cleaning up

Methods for containment Scoop absorbed substance into closing containers.
Methods for cleaning up Take up with sand, earth or other non-combustible absorbent material. Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal. Small quantities of liquid spill: 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.
Prevention of secondary hazards Clean contaminated objects and areas thoroughly observing environmental regulations.

6.4. Reference to other sections

Reference to other sections See section 8 for more information. See section 13 for more information.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling Avoid contact with eyes. Use personal protection equipment. Do not eat, drink or smoke when using this product.
General hygiene considerations Avoid contact with skin, eyes or clothing. Wear suitable gloves and eye/face protection. Do not eat, drink or smoke when using this product.

7.2. Conditions for safe storage, including any incompatibilities

Storage Conditions Keep/store only in original container. Keep tightly closed in a dry and cool place.

7.3. Specific end use(s)

Risk Management Methods (RMM) The information required is contained in this Safety Data Sheet.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure Limits

| Chemical name | European Union | Austria | Belgium | Bulgaria | Croatia |
|---------------|--|--|---|---|--|
| Alcohol | - | TWA: 1000 ppm TWA: 1900 mg/m ³ STEL 2000 ppm STEL 3800 mg/m ³ | TWA: 1000 ppm TWA: 1907 mg/m ³ | TWA: 1000 mg/m ³ | TWA: 1000 ppm TWA: 1900 mg/m ³ |
| Chemical name | Cyprus | Czech Republic | Denmark | Estonia | Finland |
| Alcohol | - | TWA: 1000 mg/m ³ Ceiling: 3000 mg/m ³ | TWA: 1000 ppm TWA: 1900 mg/m ³ | TWA: 500 ppm TWA: 1000 mg/m ³ STEL: 1000 ppm STEL: 1900 mg/m ³ | TWA: 1000 ppm TWA: 1900 mg/m ³ STEL: 1300 ppm STEL: 2500 mg/m ³ |
| Chemical name | France | Germany | Germany DFG | Greece | Hungary |
| Alcohol | TWA: 1000 ppm TWA: 1900 mg/m ³ STEL: 5000 ppm STEL: 9500 mg/m ³ | TWA: 200 ppm TWA: 380 mg/m ³ | TWA: 200 ppm TWA: 380 mg/m ³ Peak: 800 ppm Peak: 1520 mg/m ³ | TWA: 1000 ppm TWA: 1900 mg/m ³ | TWA: 1900 mg/m ³ STEL: 3800 mg/m ³ |
| Chemical name | Ireland | Italy | Italy REL | Latvia | Lithuania |

| | | | | | |
|---------------|---|--|--|---|---|
| Alcohol | STEL: 1000 ppm | - | STEL: 1000 ppm STEL: 1884 mg/m ³ | TWA: 1000 mg/m ³ | TWA: 500 ppm TWA: 1000 mg/m ³ STEL: 1000 ppm STEL: 1900 mg/m ³ |
| Chemical name | Luxembourg | Malta | Netherlands | Norway | Poland |
| Alcohol | - | - | TWA: 260 mg/m ³ STEL: 1900 mg/m ³ H* | TWA: 500 ppm TWA: 950 mg/m ³ STEL: 625 ppm STEL: 1187.5 mg/m ³ | TWA: 1900 mg/m ³ |
| Chemical name | Portugal | Romania | Slovakia | Slovenia | Spain |
| Alcohol | TWA: 1000 ppm | TWA: 1000 ppm TWA: 1900 mg/m ³ STEL: 5000 ppm STEL: 9500 mg/m ³ | TWA: 500 ppm TWA: 960 mg/m ³ Ceiling: 1920 mg/m ³ | TWA: 960 mg/m ³ TWA: 500 ppm STEL: STEL ppm STEL: STEL mg/m ³ | STEL: 1000 ppm STEL: 1910 mg/m ³ |
| Chemical name | Sweden | Switzerland | United Kingdom | Israel - Occupational Exposure Limits - TWAs | Turkey |
| Alcohol | NGV: 500 ppm NGV: 1000 mg/m ³ Vägledande KGV: 1000 ppm Vägledande KGV: 1900 mg/m ³ | TWA: 500 ppm TWA: 960 mg/m ³ STEL: 1000 ppm STEL: 1920 mg/m ³ | TWA: 1000 ppm TWA: 1920 mg/m ³ STEL: 3000 ppm STEL: 5760 mg/m ³ | - | - |

Biological occupational exposure limits

This product, as supplied, does not contain any hazardous materials with biological limits established by the region specific regulatory bodies.

Derived No Effect Level (DNEL) Long term.

| Chemical name | Worker - dermal, long-term - systemic | Worker - inhalative, long-term - systemic | Worker - dermal, long-term - local | Worker - inhalative, long-term - local |
|------------------------|---------------------------------------|---|------------------------------------|--|
| Sodium Laureth Sulfate | 2750 mg/kg bw | 175 mg/m ³ | - | - |
| Lauramine Oxide | 11 mg/kg bw/day | 6.2 mg/m ³ | - | - |
| Alcohol | 343 mg/kg bw/day | 950 mg/m ³ | - | - |
| Sodium Chloride | 295.52 mg/kg bw/day | 2068.62 mg/m ³ | - | - |
| Sodium Hydroxide | - | - | - | 1 mg/m ³ |
| Phenoxyethanol | 20.83 mg/kg bw/day | 5.7 mg/m ³ | - | 5.7 mg/m ³ |

| Chemical name | Consumer - oral, long-term - local | Consumer - inhalative, long-term - local | Consumer - dermal, long-term - local |
|------------------|------------------------------------|--|--------------------------------------|
| Sodium Hydroxide | - | 1 mg/m ³ | - |
| Phenoxyethanol | - | 2.41 mg/m ³ | - |

| Chemical name | Consumer - oral, long-term - systemic | Consumer - inhalative, long-term - systemic | Consumer - dermal, long-term - systemic |
|------------------------|---------------------------------------|---|---|
| Sodium Laureth Sulfate | 15 mg/kg bw | 52 mg/m ³ | 1650 mg/kg bw |
| Lauramine Oxide | 0.44 mg/kg bw/day | 1.53 mg/m ³ | 5.5 mg/kg bw/day |
| Alcohol | 87 mg/kg bw/day | 114 mg/m ³ | 206 mg/kg bw/day |
| Sodium Chloride | 126.65 mg/kg bw/day | 443.28 mg/m ³ | 126.65 mg/kg bw/day |
| Phenoxyethanol | 9.23 mg/kg bw/day | 2.41 mg/m ³ | 10.42 mg/kg bw/day |

Derived No Effect Level (DNEL) Short term.

| Chemical name | Worker - dermal, short-term - systemic | Worker - inhalative, short-term - systemic | Worker - dermal, short-term - local | Worker - inhalative, short-term - local |
|-----------------|--|--|-------------------------------------|---|
| Sodium Chloride | 295.52 mg/kg bw/day | 2068.62 mg/m ³ | 295.52 mg/kg bw/day | - |

| Chemical name | Consumer - oral, short-term - systemic | Consumer - inhalative, short-term - systemic | Consumer - dermal, short-term - systemic |
|-----------------|--|--|--|
| Sodium Chloride | 126.65 mg/kg bw/day | 443.28 mg/m ³ | 126.65 mg/kg bw/day |

| | | | |
|----------------|-------------------|---|---|
| Phenoxyethanol | 9.23 mg/kg bw/day | - | - |
|----------------|-------------------|---|---|

Predicted No Effect Concentration (PNEC)

| Chemical name | Fresh Water | Marine water | Intermittent release |
|------------------------|-------------|--------------|----------------------|
| Sodium Laureth Sulfate | 0.24 mg/l | 0.024 mg/l | 0.071 mg/l |
| Lauramine Oxide | 0.034 mg/L | 0.003 mg/L | 0.034 mg/L |
| Alcohol | 0.96 mg/L | 0.79 mg/L | 2.75 mg/L |
| Sodium Chloride | 5 mg/L | - | 19 mg/L |
| Phenoxyethanol | 0.943 mg/L | 0.094 mg/L | 3.44 mg/L |

| Chemical name | Freshwater sediment | Marine sediment | Sewage treatment plant | Soil | Air | Oral |
|------------------------|-------------------------|-------------------------|------------------------|--------------------|-----|------|
| Sodium Laureth Sulfate | 5.45 mg/kg dwt | 0.545 mg/kg dwt | 10000 mg/l | 0.946 mg/kg dwt | - | - |
| Lauramine Oxide | 5.24 mg/kg sediment dw | 0.524 mg/kg sediment dw | 24 mg/L | 1.02 mg/kg soil dw | - | - |
| Alcohol | 3.6 mg/kg sediment dw | 2.9 mg/kg sediment dw | 580 mg/L | 0.63 mg/kg soil dw | - | - |
| Sodium Chloride | - | - | 500 mg/L | 4.86 mg/kg soil dw | - | - |
| Phenoxyethanol | 7.237 mg/kg sediment dw | 0.724 mg/kg sediment dw | 36 mg/L | 1.31 mg/kg soil dw | - | - |

8.2. Exposure controls

Personal Protective Equipment

Eye/face protection Wear safety glasses with side shields (or goggles).

Hand protection No special protective equipment required.

Skin and body protection No special protective equipment required.

Respiratory protection No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.

General hygiene considerations Avoid contact with skin, eyes or clothing. Wear suitable gloves and eye/face protection. Do not eat, drink or smoke when using this product.

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

Physical state Liquid
Appearance Liquid
Color Coloured
Odor Pleasant (perfume)
Odor threshold No information available

Property **Values**
Melting point / freezing point No data available

Remarks • Method
 Not available. This property is not relevant for the safety and classification of this product
 Not applicable. This property is not relevant for liquid product forms
 Not available. This property is not relevant for the

Initial boiling point and boiling range > 95 °C

Flammability

Flammability Limit in Air

| | | |
|---|--------------------------|--|
| | | safety and classification of this product |
| Upper flammability or explosive limits | No data available | |
| Lower flammability or explosive limits | No data available | |
| Flash point | > 80 °C | Closed cup |
| 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 |
| pH | 8.4 - 9.4 | |
| Dynamic viscosity | No Data Available | Not available. This property is not relevant for the safety and classification of this product |
| Water solubility | Soluble in water | |
| Solubility(ies) | No Data Available | Not available. This property is not relevant for the safety and classification of this product |
| Partition coefficient | No Data Available | Not available. This property is not relevant for the safety and classification of this product |
| Vapor pressure | No Data Available | Not available. This property is not relevant for the safety and classification of this product |
| Relative density | No Data Available | Not available. This property is not relevant for the safety and classification of this product |
| Relative vapor density | No data available | Not available. This property is not relevant for the safety and classification of this product |
| Particle characteristics | | Not available. This property is not relevant for the safety and classification of this product |
| Particle Size | No information available | |
| Particle Size Distribution | No information available | |

9.2. Other information

9.2.1. Information with regard to physical hazard classes
No information available

9.2.2. Other safety characteristics
No information available

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity No information available.

10.2. Chemical stability

Stability Stable under normal conditions.

Explosion data

Sensitivity to mechanical impact None.

Sensitivity to static discharge None.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions None under normal processing.

10.4. Conditions to avoid

Conditions to avoid None known based on information supplied.

10.5. Incompatible materials

Incompatible materials None known based on information supplied.

10.6. Hazardous decomposition products

Hazardous decomposition products None known based on information supplied.

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Information on likely routes of exposure

Product Information

| | |
|---------------------|---|
| Inhalation | Specific test data for the substance or mixture is not available. |
| Eye contact | Specific test data for the substance or mixture is not available. Causes serious eye damage. May cause irreversible damage to eyes. |
| Skin contact | Specific test data for the substance or mixture is not available. May cause irritation. |
| Ingestion | Specific test data for the substance or mixture is not available. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. |

Symptoms related to the physical, chemical and toxicological characteristics

Symptoms Redness. Burning. May cause blindness.

Numerical measures of toxicity

Acute toxicity

The following values are calculated based on chapter 3.1 of the GHS document
ATEmix (oral) 7,481.90 mg/kg

Component Information

| Chemical name | Oral LD50 | Dermal LD50 | Inhalation LC50 |
|--|-------------------------------|----------------------------|-----------------------------------|
| Poly(oxy-1,2-ethanediyl), alpha-sulfo-omega-hydroxy-, C10-16-alkyl ethers, sodium salts (Acute Tox. 4 Hazard Classification) | 1999.7 mg/kg bodyweight (rat) | - | - |
| Amine oxides, C12-14-alkyldimethyl | 1064 mg/kg bw (OECD 401) | > 2000 mg/kg bw (OECD 402) | - |
| Ethanol | 10470 mg/kg bw (OECD 401) | - | 116.9 - 133.8 mg/L air (OECD 403) |
| 2-methyl-2H-isothiazol-3-one | 120 mg/kg bw | 242 mg/kg bw (OECD 402) | 0.11 mg/L air (OECD 403) |

| Chemical name | Carcinogenicity | Species | Eye Damage | Species | Developmental toxicity | Species | Mutagenicity | Species |
|------------------|-----------------|---------|--------------|---------|------------------------|---------|--------------|---------|
| Lauramine Oxide | - | - | Y (OECD 405) | - | - | - | - | - |
| Alcohol | - | - | Y (OECD 405) | - | - | - | - | - |
| Sodium Chloride | - | - | Y (OECD 405) | - | - | - | - | - |
| Sodium Hydroxide | - | - | Y (OECD 405) | - | - | - | - | - |
| Phenoxyethanol | - | - | Y (OECD 405) | - | - | - | - | - |

| Chemical name | Reproductive toxicity | Species | Skin corrosion/irritation | Species | Sensitization | Species |
|------------------|-----------------------|---------|---------------------------|---------|---------------|---------|
| Lauramine Oxide | - | - | Y (OECD 404) | - | - | - |
| Sodium Hydroxide | - | - | Y | - | - | - |

| Chemical name | Skin sensitization | Species | STOT - single exposure | Target Organs | Species | STOT - repeated exposure | Target Organs | Species | Aspiration hazard |
|----------------|--------------------|---------|------------------------|---------------|---------|--------------------------|---------------|---------|-------------------|
| Phenoxyethanol | - | - | Y | - | - | - | - | - | - |

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Skin corrosion/irritation No information available.

Serious eye damage/eye irritation Risk of serious damage to eyes.

Respiratory or skin sensitization No information available.

Germ cell mutagenicity No information available.

Carcinogenicity No information available.

Reproductive toxicity No information available.

STOT - single exposure No information available.

STOT - repeated exposure No information available.

Aspiration hazard No information available.

11.2. Information on other hazards

11.2.1. Endocrine disrupting properties

Endocrine disrupting properties This product does not contain any known or suspected endocrine disruptors.

11.2.2. Other information

Other adverse effects No information available.

SECTION 12: Ecological information

12.1. Toxicity

Ecotoxicity Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Unknown aquatic toxicity Contains 0.24727 % of components with unknown hazards to the aquatic environment.

| Chemical name | Algae/aquatic plants | Fish | Toxicity to microorganisms | Crustacea |
|------------------------------------|--|--|------------------------------------|--|
| Amine oxides, C12-14-alkyldimethyl | 0.266 mg/L (OECD 201; Pseudokirchneriella) | 2.67 mg/L (Pimephales promelas; 96 hr) | 24 mg/L (Pseudomonas putida; 18 h) | 3.1 mg/L (OECD 202; Daphnia magna; 48 h) |

| | | | | |
|------------------------------|--|--|-------------------------------------|--|
| | subcapitata; 72 h) | | | |
| Ethanol | 275 mg/L (OECD 201; Chlorella vulgaris; 72 h) | 15300 mg/L (US EPA Method E03-05; Pimephales promelas; 96 h) | > 1000 mg/L (OECD 209; 3 h) | 5012 mg/L (ASTM E729-80; Ceriodaphnia dubia; 48 h) |
| 2-methyl-2H-isothiazol-3-one | 0.206 mg/L (OECD 201; Pseudokirchneriella subcapitata; 96 h) | 4.77 mg/L (OECD 203; Oncorhynchus mykiss; 96 h) | 2.3 mg/L (Pseudomonas putida; 16 h) | 0.850 mg/L (OECD 202; Daphnia magna; 48 h) |

Chronic Toxicity

| Chemical name | Toxicity to algae (NOEC or ECx)* | Toxicity to fish (NOEC or ECx)* | Toxicity to daphnia and other aquatic invertebrates (NOEC or ECx)* | Toxicity to Microorganisms (NOEC or ECx)* | Toxicity to other organisms |
|-----------------------|---|--|--|---|--|
| Lauramine Oxide | 0.078 mg/L (OECD 201; Pseudokirchneriella subcapitata; 3 d) | 0.42 mg/L (Pimephales promelas; 302 d) | 0.7 mg/L (OECD 211; Daphnia magna; 21 d) | - | - |
| Alcohol | - | 250 mg/L (OECD 212; Danio rerio; 5 d) | 2 mg/L (Ceriodaphnia dubia; 10 d) | - | > 79 mg/L (Guideline not indicated; Rana temporaria; static; freshwater; 48 h) |
| Sodium Chloride | - | 252 mg/L (OECD 210; Pimephales promelas; 33 d) | 441 mg/L (OECD 211; Daphnia pulex; 21 d) | - | 243 mg/kg soil dw (Similar to OECD 208; Poa pratensis; based on growth; 7 d) |
| Phenoxyethanol | 46 mg/L (OECD 201; desmodemus subspicatus; 3 d) | 105.5 mg/L (OECD 210; Pimephales promelas; 34 d) | 49.2 mg/L (OECD 211; daphnia magna; 21 d) | - | 34 mg/L, (OECD 208, Brassica napus, 19 d) |
| Methylisothiazolinone | 0.05 mg/L (OECD 201; Pseudokirchneriella subcapitata; 5 d) | 2.38 mg/L (OECD 210; Oncorhynchus mykiss; 98 d) | 0.044 mg/L (OECD 211; Daphnia magna; 21 d) | - | - |

12.2. Persistence and degradability

Persistence and degradability

| Chemical name | Ready Biodegradation Test (OECD 301) | Abiotic Degradation Hydrolysis | Abiotic Degradation Photolysis | Biodegradation Other Tests |
|--|--|--------------------------------|--------------------------------|--|
| Amine oxides, C12-14-alkyldimethyl - 308062-28-4 | 90% CO ₂ ; OECD 301 B; 28 d | - | - | 90% CO ₂ ; OECD 301 B; > 60% (10 d) |
| Ethanol - 64-17-5 | 84% O ₂ ; 20 d | < 13148.72 d | 17.2 d | 83%; 3 d |
| 2-phenoxyethanol - 122-99-6 | 90% O ₂ ; OECD 301 F; 28 d | > 365 d (OECD 111) | 0.491 d (QSAR AOP v192) | 98% DOC; 3 d; OECD 301 A; > 60% (10 d) |

12.3. Bioaccumulative potential

Bioaccumulation

There is no data for this product.

Component Information

| Chemical name | Partition coefficient |
|-----------------------|--|
| Alcohol | -0.35 |
| Methylisothiazolinone | -0.26 -0.34 -0.28 >=-0.32 - <=0.7 |

| Chemical name | Octanol/water partition coefficient | Bioconcentration factor (BCF) |
|-----------------|-------------------------------------|-------------------------------|
| Lauramine Oxide | 0.95 - 2.69 | - |
| Alcohol | -0.35 (OECD 107) | < 10 |
| Phenoxyethanol | 1.2 (EU Method A.8) | 0.349 |

12.4. Mobility in soil

Mobility in soil

No information available.

| Chemical name | log K _{oc} |
|-----------------|---------------------|
| Lauramine Oxide | 307 |
| Alcohol | 1.585 |

| | |
|----------------|-------|
| Phenoxyethanol | 40.74 |
|----------------|-------|

12.5. Results of PBT and vPvB assessment

PBT and vPvB assessment No information available.

| Chemical name | PBT and vPvB assessment |
|-----------------------|---|
| Lauramine Oxide | The substance is not PBT / vPvB |
| Alcohol | The substance is not PBT / vPvB PBT assessment does not apply |
| Methylisothiazolinone | The substance is not PBT / vPvB |

12.6. Endocrine disrupting properties

Endocrine disrupting properties No information available.

12.7. Other adverse effects

No information available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste from residues/unused products 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. Empty, uncleaned packaging need the same disposal considerations as filled packaging. For handling waste, see measures described in section 8. Dispose of in accordance with local regulations.

Contaminated packaging Do not reuse empty containers.

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

SECTION 14: Transport information

IATA

14.1 UN number or ID number Not regulated

14.2

14.3 Transport hazard class(es) Not regulated

14.4 Packing group Not regulated

14.5 Environmental hazards Not applicable

14.6 Special precautions for user

IMDG

14.1 UN number or ID number Not regulated

14.2

14.3 Transport hazard class(es) Not regulated

14.4 Packing group Not regulated

14.5 Environmental hazards Not applicable

14.6 Special precautions for user

14.7 Maritime transport in bulk according to IMO instruments No information available

RID

14.1 UN number or ID number Not regulated

14.2

14.3 Transport hazard class(es) Not regulated

14.4 Packing group Not regulated

14.5 Environmental hazards Not applicable

14.6 Special precautions for user

Special Provisions None

ADR

14.1 UN number or ID number Not regulated
14.2
14.3 Transport hazard class(es) Not regulated
14.4 Packing group Not regulated
14.5 Environmental hazards Not applicable
14.6 Special precautions for user
Special Provisions None

ADN

14.1 UN number or ID number Not relevant
14.2
14.3 Transport hazard class(es) No information available
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

National regulations

France

Occupational Illnesses (R-463-3, France)

| Chemical name | French RG number | Title |
|---------------|------------------|-------|
| Alcohol | RG 84 | - |

Germany

Water hazard class (WGK) obviously hazardous to water (WGK 2)

Netherlands

| Chemical name | Netherlands - List of Carcinogens | Netherlands - List of Mutagens | Netherlands - List of Reproductive Toxins |
|---------------|-----------------------------------|--------------------------------|--|
| Alcohol | Present | - | Fertility Category 1A Development Category 1A Can be harmful via breastfeeding |

Poland

Announcement of the Speaker of the Sejm of the Republic of Poland of 13 April 2018 regarding the publication of a uniform text of the Act - Labor Code (Journal of Laws 2018, item 917, as amended). Announcement of the Speaker of the Sejm of the Republic of Poland of March 15, 2019 regarding the publication of a uniform text of the Act on Waste (Journal of Laws 2019 item 701, as amended). Regulation of the Minister of Development of 7 July 2016, repealing the Regulation on specific requirements for certain products due to their negative environmental impact (Journal of Laws of 2016, item 1099, as amended). Regulation of the Minister of Family, Labor and Social Policy of June 12, 2018 regarding the highest permissible concentrations and intensities of factors harmful to health in the work environment (Journal of Laws of 2018, item 1286 with subsequent amendments).

European Union

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work.

Authorizations and/or restrictions on use:

This product contains one or more substance(s) subject to restriction (Regulation (EC) No. 1907/2006 (REACH), Annex XVII) 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)

| Chemical name | Restricted substance per REACH Annex XVII | Substance subject to authorization per REACH Annex XIV |
|---------------|---|--|
| | | |

| | | |
|-----------------------|-----|---|
| Methylisothiazolinone | 75. | - |
|-----------------------|-----|---|

Persistent Organic Pollutants
Not applicable

Ozone-depleting substances (ODS) regulation (EC) 1005/2009
Not applicable

Plant protection products directive (91/414/EEC)

EU - Biocides

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.

15.2. Chemical safety assessment

Chemical Safety Report No chemical safety assessment has been carried out for this mixture per REACH regulation.

SECTION 16: Other information

Key or legend to abbreviations and acronyms used in the safety data sheet

Full text of H-Statements referred to under section 3

- H225 - Highly flammable liquid and vapor
- H301 - Toxic if swallowed
- H302 - Harmful if swallowed
- H311 - Toxic in contact with skin
- H314 - Causes severe skin burns and eye damage
- H315 - Causes skin irritation
- H317 - May cause an allergic skin reaction
- H318 - Causes serious eye damage
- H319 - Causes serious eye irritation
- H330 - Fatal if inhaled
- 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

Legend

SVHC: Substances of Very High Concern for Authorization:

Legend Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

| | | | |
|---------|-----------------------------|------|----------------------------------|
| TWA | TWA (time-weighted average) | STEL | STEL (Short Term Exposure Limit) |
| Ceiling | Maximum limit value | * | Skin designation |

| Classification procedure | |
|---|--|
| Classification according to Regulation (EC) No. 1272/2008 [CLP] | Method Used |
| Serious eye damage/eye irritation | Expert judgment and weight of evidence determination |
| Chronic aquatic toxicity | Calculation method |

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Further information Salts listed in Section 3 without a REACH Registration number are exempt, based on Annex V.

This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet