

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

1.1. Product identifier

Product form : Mixture
 Trade name : Lenor Professional Linen Care Summer Breeze
 Product code : PA00216498 / 90721922
 Product group : Trade product

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

1.2.1. Relevant identified uses

Main use category : Professional use
 Function or use category : Washing and cleaning products (including solvent based products)

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Procter & Gamble UK Brooklands, Weybridge, Surrey, KT13 0XP, UK

Tel: 01932 896000 Fax: 01932 896200

Professional: customerservice@pgprof.com

1.4. Emergency telephone number

Emergency number : (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 according to Regulation (EC) No. 1272/2008 [CLP]

Aquatic Chronic 3 H412

Full text of hazard classes and H-statements : see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Signal word (CLP) : None
 Hazard statements (CLP) : H412 - Harmful to aquatic life with long lasting effects.
 Precautionary statements (CLP) : P501 - Dispose of contents/container to an appropriate local waste system
 P102 - Keep out of reach of children.

2.3. Other hazards

Other hazards not contributing to the classification : No presence of PBT and vPvB ingredients.

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

| Name | Product identifier | % | Classification according to Regulation (EC) No. 1272/2008 [CLP] |
|--|--|---------|---|
| Distearoylethyl/Dipalmitoylethyl Dimonium Chloride | (CAS No) 1079184-43-2 (EC-No.) Notified (REACH-no) 01-0000000679-63 | 10 - 20 | Aquatic Chronic 3, H412 |
| Isopropyl Alcohol | (CAS No) 67-63-0 (EC-No.) 200-661-7 (EC Index-No.) 603-117-00-0 (REACH-no) 01-2119457558-25 | 1 - 5 | Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336 |

Full text of H-statements: see section 16

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SECTION 4: First aid measures

4.1. Description of first aid measures

- First-aid measures after inhalation : IF INHALED: remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER/doctor if you feel unwell.
- First-aid measures after skin contact : IF ON SKIN: Wash with plenty of water/.... If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing.
- First-aid measures after eye contact : IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
- First-aid measures after ingestion : IF SWALLOWED: call a POISON CENTER or doctor/physician if you feel unwell. Rinse mouth. Do NOT induce vomiting.

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

- Symptoms/effects after inhalation : Coughing, sneezing.
- Symptoms/effects after skin contact : Redness. Swelling, dryness. Itching.
- Symptoms/effects after eye contact : Pain. Redness. Swelling. Itching.
- Symptoms/effects 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: Firefighting measures

5.1. Extinguishing media

- Suitable extinguishing media : Dry chemical powder, alcohol-resistant foam, carbon dioxide (CO₂).

5.2. Special hazards arising from the substance or mixture

- Fire hazard : No fire hazard. Non combustible.
- Explosion hazard : Product is not explosive.
- Reactivity : No dangerous reactions known.

5.3. Advice for firefighters

- Firefighting instructions : No specific firefighting instructions required.
- Protection during firefighting : In case of inadequate ventilation wear respiratory protection.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

- Protective equipment : Wear suitable gloves and eye/face protection.

6.1.2. For emergency responders

- Protective equipment : Wear suitable gloves and eye/face protection.

6.2. 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

- 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.

6.4. Reference to other sections

Refer to Sections 8 and 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

- Precautions for safe handling : 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

- Storage conditions : Store in original container. Refer to section 10.
- Incompatible products : Refer to section 10.
- Incompatible materials : Refer to section 10.
- Information on mixed storage : Not applicable.
- Storage area : Store in a cool area. Store in a dry area.

7.3. Specific end use(s)

Refer to section 1.2.

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SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1. National limit values

| Isopropyl Alcohol (67-63-0) | | |
|-----------------------------|-------------------------------|------------------------|
| United Kingdom | WEL TWA (mg/m ³) | 999 mg/m ³ |
| United Kingdom | WEL TWA (ppm) | 400 ppm |
| United Kingdom | WEL STEL (mg/m ³) | 1250 mg/m ³ |
| United Kingdom | WEL STEL (ppm) | 500 ppm |

8.1.2. Monitoring procedures: DNELS, PNECS, OEL

| Isopropyl Alcohol (67-63-0) | |
|--|--------------------------|
| DNEL/DMEL (Workers) | |
| Long-term - systemic effects, dermal | 888 mg/kg bodyweight/day |
| Long-term - systemic effects, inhalation | 500 mg/m ³ |
| DNEL/DMEL (General population) | |
| Long-term - systemic effects, oral | 26 mg/kg bodyweight/day |
| Long-term - systemic effects, inhalation | 89 mg/m ³ |
| Long-term - systemic effects, dermal | 319 mg/kg bodyweight/day |
| PNEC (Water) | |
| PNEC aqua (freshwater) | 140.9 mg/l |
| PNEC aqua (marine water) | 140.9 mg/l |
| PNEC aqua (intermittent, freshwater) | 140.9 mg/l |
| PNEC (Sediment) | |
| PNEC sediment (freshwater) | 552 mg/kg dwt |
| PNEC sediment (marine water) | 552 mg/kg dwt |
| PNEC (Soil) | |
| PNEC soil | 28 mg/kg dwt |
| PNEC (STP) | |
| PNEC sewage treatment plant | 2251 mg/l |

8.2. Exposure controls

8.2.1. Appropriate engineering controls : Not applicable.

8.2.2. 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 applicable.

Eye protection : Not applicable.

Skin and body protection : Not applicable.

Respiratory protection : Not applicable.

8.2.3. Environmental exposure controls

Prevent that the undiluted product reaches surface waters.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

| Property | Value | Unit | Test method/Notes |
|-----------------|---------------------|------|--|
| Appearance | Liquid. | | |
| Physical state | Liquid | | |
| Colour | Yellow. | | |
| Odour | pleasant (perfume). | | |
| Odour threshold | | | Not available. This product doesn't have substances deriving inhalation health risk. |
| pH | 2.7 - 3.5 | | |

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| Property | Value | Unit | Test method/Notes |
|--|--|-------|--|
| Melting point | | | Not available. This property is not relevant for the safety and classification of this product |
| Freezing point | | | Not available. This property is not relevant for the safety and classification of this product |
| Boiling point | 95 - 110 | °C | |
| Flash point | | | No flash point till boiling |
| Relative evaporation rate (butylacetate=1) | | | Not available. This property is not relevant for the safety and classification of this product |
| Relative evaporation rate (ether=1) | | | Not available. This property is not relevant for the safety and classification of this product |
| Flammability (solid, gas) | | | Not applicable. This property is not relevant for liquid product forms |
| Explosive limits | | vol % | Not available. This property is not relevant for the safety and classification of this product |
| Vapour pressure | | | Not available. This property is not relevant for the safety and classification of this product |
| Relative density | 0.97 - 1.1 | | |
| Solubility | Soluble in water. | | |
| Log Pow | | | Not applicable. This property is not relevant for mixtures |
| Auto-ignition temperature | | | Not available. This property is not relevant for the safety and classification of this product |
| Decomposition temperature | | | Not available. This property is not relevant for the safety and classification of this product |
| Viscosity | 45 - 165 | cP | |
| Explosive properties | Not applicable. This product is not classified as explosive as it does not contain any substances which possesses explosive properties CLP (Art 14 (2)). | | |
| Oxidising properties | 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

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

No dangerous reactions known.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

Refer to section 10.1 on Reactivity.

10.4. Conditions to avoid

Not required for normal conditions of use.

10.5. Incompatible materials

Not applicable.

10.6. Hazardous decomposition products

None under normal use.

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SECTION 11: Toxicological information

11.1. Information on toxicological effects

11.1.1. Mixtures

| Lenor Professional Linen Care Summer Breeze | |
|---|--------------------|
| Acute toxicity | Not classified (*) |
| Skin corrosion/irritation | Not classified (*) |
| Serious eye damage/irritation | Not classified (*) |
| Respiratory or skin sensitisation | Not classified (*) |
| Germ cell mutagenicity | Not classified (*) |
| Carcinogenicity | Not classified (*) |
| Reproductive toxicity | Not classified (*) |
| STOT-single exposure | Not classified (*) |
| STOT-repeated exposure | Not classified (*) |
| Aspiration hazard | Not classified (*) |

(*) Based upon available data of the substances and/or the product, product classification criteria are not met. See Section 2 and Section 16 for applicable hazard classification and classification procedure, respectively.

11.1.2. Substances in the mixture

Acute toxicity:

| Isopropyl Alcohol (67-63-0) | |
|-----------------------------|-----------------------------|
| LD50 oral rat | 5840 mg/kg bw (//OECD 401) |
| LD50 dermal rabbit | 12956 mg/kg bw (//OECD 402) |

SECTION 12: Ecological information

12.1. Toxicity

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

| Isopropyl Alcohol (67-63-0) | |
|-----------------------------|---|
| LC50 fishes 1 | 9640 mg/l //OECD 203; Pimephales promelas; 96 h |
| EC50 Daphnia 1 | > 10000 mg/l //OECD 202; Daphnia magna; 24 h |

| Distearoylethyl/Dipalmitoylethyl Dimonium Chloride (1079184-43-2) | |
|---|------------|
| LC50 fishes 1 | 5.2 mg/l |
| EC50 Daphnia 1 | 14.8 mg/l |
| NOEC (acute) | 0.686 mg/l |

12.2. Persistence and degradability

| Isopropyl Alcohol (67-63-0) | |
|-------------------------------|--|
| Persistence and degradability | Biodegradable. |
| Biodegradation | 53 % O ₂ ; //EC 440/2008 C.5; 5 d |

| Distearoylethyl/Dipalmitoylethyl Dimonium Chloride (1079184-43-2) | |
|---|----------------|
| Persistence and degradability | Biodegradable. |
| Biodegradation | > 60 % |

12.3. Bioaccumulative potential

| Isopropyl Alcohol (67-63-0) | |
|-----------------------------|---|
| Bioaccumulative potential | Not expected to bioaccumulate due to the low log Kow (log Kow < 4). |

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

| Lenor Professional Linen Care Summer Breeze | |
|---|---|
| Results of PBT assessment | No presence of PBT and vPvB ingredients |

| Component | |
|-----------------------------|---|
| Isopropyl Alcohol (67-63-0) | This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII |

12.6. Other adverse effects

Other information : No other effects known.

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SECTION 13: Disposal considerations

13.1. Waste treatment methods

- 13.1.1. Regional legislation (waste) : Disposal must be done according to official regulations.
- 13.1.2. Disposal recommendations : The waste codes/waste designations below are in accordance with EWC. Waste must be delivered to an approved waste disposal company. The 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.
- 13.1.3. EURAL Waste code product : 20 01 29* - detergents containing dangerous substances
15 01 10* - packaging containing residues of or contaminated by dangerous substances

SECTION 14: Transport information

14.1. UN number

Not applicable

14.2. UN proper shipping name

Not applicable

14.3. Transport hazard class(es)

Not applicable

14.4. Packing group

Not applicable

14.5. Environmental hazards

Not applicable

14.6. Special precautions for user

Not applicable

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable

SECTION 15: Regulatory information

Ingredient label : 5-15% Cationic surfactants; Benzisothiazolinone, Perfumes, Alpha-isomethyl ionone, Benzyl salicylate, Cinnamyl alcohol, Citronellol, Hexyl cinnamal, Limonene, Linalool.

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU-Regulations

Contains no REACH substances with Annex XVII restrictions

Contains no substance on the REACH candidate list

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 information, restriction and prohibition regulations : Classification according to Regulation (EC) No. 1272/2008 [CLP]. Regulation (EC) No. 648/2004 of 31 March 2004 on detergents. Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006.

15.1.2. National regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

16.1. Indication of changes

Indication of changes : Not applicable

16.2. Abbreviations and acronyms

LC50: Lethal Concentration to 50 % of a test population. LD50: Lethal Dose to 50% of a test population (Median Lethal Dose). PBT: Persistent, Bioaccumulative and Toxic substance. PNEC(s): Predicted No Effect Concentration(s). vPvB: Very Persistent and Very Bioaccumulative. AND: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways. ATE: Acute Toxicity Estimate. OEL:

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Occupational Exposure Limit. ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road. DNEL: Derived-No Effect Level.

16.3. Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]

| Classification according to Regulation (EC) No. 1272/2008 [CLP] | classification procedure |
|---|--------------------------|
| Aquatic Chronic 3 | Calculation method |

16.4. Relevant R-phrases and/or H-statements (number and full text) for mixture and substances

| | |
|-------------------|--|
| Aquatic Chronic 3 | Hazardous to the aquatic environment — Chronic Hazard, Category 3 |
| Eye Irrit. 2 | Serious eye damage/eye irritation, Category 2 |
| Flam. Liq. 2 | Flammable liquids, Category 2 |
| STOT SE 3 | Specific target organ toxicity — Single exposure, Category 3, Narcosis |
| H225 | Highly flammable liquid and vapour. |
| H319 | Causes serious eye irritation. |
| H336 | May cause drowsiness or dizziness. |
| H412 | Harmful to aquatic life with long lasting effects. |

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

SDS P&G CLP

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