

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

Issuing Date: 14-Oct-2019

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Version 1

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

### 1.1 Product identifier

Product Form	Mixture
Product Name	Lenor Professional System - S2 Extra Soft & Fresh. Concentrated Softener
Product Identifier	90548011_B_PGP_CLP_EUR
Synonyms	PA00235494
Product group	Trade Product

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

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

Product category Liquid Fabric Enhancers

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

Details of the supplier of the safety data sheet	Procter & Gamble UK Brooklands PGP, Weybridge, Surrey, KT13 0XP, UK Tel: 01932 896000 Fax: 01932 896200
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

## Section 2: HAZARDS IDENTIFICATION

### 2.1 Classification of the substance or mixture

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

This mixture is classified as not hazardous according to regulation (EC) 1272/2008 [CLP]

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

Hazard pictograms None

Signal Word None

Precautionary Statements P102 - Keep out of reach of children  
P101 - If medical advice is needed, have product container or label at hand

EU Specific Hazard Statements EUH210 - Safety data sheet available on request.

### 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 No	Weight-%	GHS / CLP Classification 1272/2008 [CLP]	M-Factor (chronic)	M-Factor (acute)
Distearoylethyl/Dipalmitoylethyl Dimonium Chloride	1079184-43-2	Notified	01-0000000679-63	10 - 20	Aquatic Chronic 3(H412)	1	1
Isopropyl Alcohol	67-63-0	200-661-7	01-2119457558-25	1 - 5	Flam. Liq. 2(H225) Eye Irrit. 2(H319) STOT SE 3(H336)	1	1

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**

**Inhalation** IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician if exposed or you feel unwell.

**Skin contact** IF ON SKIN: Wash with plenty of water and soap. If skin irritation or rash occurs: Get medical advice/attention. Take off contaminated clothing and wash before reuse.

**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.

**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/injuries after inhalation** Coughing. Sneezing.

**Symptoms/injuries after skin contact** Redness. Swelling. Dryness. Itching.

**Symptoms/injuries after eye contact** Pain. Redness. Swelling. Itching.

**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<sub>2</sub>).

**Extinguishing Media Which Must Not Be Used For Safety Reasons** Not applicable.

**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 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** In case of inadequate ventilation wear respiratory protection.

precautions for firefighters

**Section 6: ACCIDENTAL RELEASE MEASURES**

**6.1 Personal precautions, protective equipment and emergency procedures**

**For non-emergency personnel** Wear suitable gloves and eye/face protection.  
**Advice for emergency responders** Wear suitable gloves and eye/face protection.

**6.2 Environmental precautions**

**Environmental precautions** Consumer products ending up down the drain after use. Prevent soil and water pollution. Prevent spreading in sewers.

**6.3 Methods and 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 applicable.

**6.4 Reference to other sections**

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

**Section 7: HANDLING AND STORAGE**

**7.1 Precautions for safe handling**

**Advice on safe handling** Do not eat, drink or smoke when using this product. Do not handle until all safety precautions have been read and understood.

**7.2 Conditions for safe storage, including any incompatibilities**

**Technical measures/Storage conditions** Store in original container. Refer to section 10.  
**Incompatible products** Refer to section 10.  
**Incompatible materials** Refer to section 10.  
**Prohibitions on mixed storage** Not applicable.  
**Requirements for storage rooms and containers** Store in a cool area. Store in a dry area.

**7.3 Specific end uses**

Refer to section 1.2.

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

**8.1 Control parameters**

**National Occupational Exposure Limits**

Chemical Name	CAS No	Norway	Ireland	United Kingdom	European Union
Isopropyl Alcohol	67-63-0	TWA: 100 ppm TWA: 245 mg/m <sup>3</sup> STEL: 125 ppm STEL: 306.25 mg/m <sup>3</sup>	TWA: 200 ppm STEL: 400 ppm Skin	STEL: 500 ppm STEL: 1250 mg/m <sup>3</sup> TWA: 400 ppm TWA: 999 mg/m <sup>3</sup>	

**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
Isopropyl Alcohol	67-63-0		888 mg/kg bw/d	500 mg/m <sup>3</sup>

**Consumers**

Chemical Name	CAS No	Consumer - oral, long-term - systemic	Consumer - inhalative, long-term - local	Consumer - dermal, long-term - local
Isopropyl Alcohol	67-63-0	26 mg/kg bw/d		

Chemical Name	CAS No	Consumer - inhalative, long-term - systemic	Consumer - dermal, long-term - systemic
Isopropyl Alcohol	67-63-0	89 mg/m <sup>3</sup>	319 mg/kg bw/d

**Predicted No Effect Concentration (PNEC)**

Chemical Name	CAS No	Fresh Water	Marine water	Intermittent release
Isopropyl Alcohol	67-63-0	140.9 mg/L	140.9 mg/L	140.9 mg/L

Chemical Name	CAS No	Freshwater sediment	Marine sediment	Sewage treatment plant
Isopropyl Alcohol	67-63-0	552 mg/kg sediment dw	552 mg/kg sediment dw	2251 mg/L

Chemical Name	CAS No	Soil	air	Oral
Isopropyl Alcohol	67-63-0	28 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 applicable.

**Eye Protection** Not applicable.

**Skin and Body Protection** Not applicable.

**Respiratory Protection** Not applicable.

**Thermal hazards** Not applicable.

**Environmental exposure controls** Prevent that the undiluted product reaches surface waters.

**Section 9: PHYSICAL AND CHEMICAL PROPERTIES****9.1 Information on basic physical and chemical properties**

Property	Value / Units	Test Method / Notes
Appearance	Liquid	
Physical state	Liquid	
Color	Coloured	
Odor	pleasant (perfume)	
Odor threshold	No data available	Perceived odor at typical use conditions
pH	2.5 - 3.8	
Melting point / freezing point	No data available	Not available. This property is not relevant for the safety and classification of this product
Boiling point / boiling range	95 - 110 °C	
Flash point		No Flash to Boiling (NFTB)
Relative Evaporation Rate (butylacetate=1)	No data available	Not available. This property is not relevant for the safety and classification of this product
Flammability (solid, gas)	Not applicable	Not applicable. This property is not relevant for liquid product forms
Upper/lower flammability or explosive limits	No data available	Not available. This property is not relevant for the safety and classification of this product
Vapor pressure	No data available	Not available. This property is not relevant for the safety and classification of this product
Relative density	0.97 - 1.1	
Solubility	Soluble in water	
Partition Coefficient (n-octanol/water)	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>	45 - 165 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** No information available.

## Section 10: STABILITY AND REACTIVITY

### 10.1 Reactivity

No dangerous reactions known.

### 10.2 Chemical stability

Stable under normal conditions.

### 10.3 Possibility of hazardous reactions

See section 10.1 on reactivity for more information.

### 10.4 Conditions to Avoid

None under normal use conditions.

### 10.5 Incompatible materials

Not applicable.

### 10.6 Hazardous Decomposition Products

None under normal use conditions.

## Section 11: TOXICOLOGICAL INFORMATION

### 11.1 Information on toxicological effects

#### Mixture

<b>Acute toxicity</b>	Not Classified.	Based on the available data, the classification criteria are not met.
<b>Skin corrosion/irritation</b>	Not Classified.	Based on the available data, the classification criteria are not met.
<b>Serious eye damage/eye irritation</b>	Not Classified.	Based on the available data, the classification criteria are not met.
<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
Isopropyl Alcohol	67-63-0	5840 mg/kg bw (//OECD 401)	-	> 24.578 mg/L air (//OECD 403)

## Section 12: ECOLOGICAL INFORMATION

### 12.1 Toxicity

#### Ecotoxicity effects

No known adverse effects on the functioning of water treatment plants under normal use conditions as recommended. The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.

#### Acute toxicity

Chemical Name	CAS No	Fish	Algae/aquatic plants	Crustacea	Toxicity to microorganisms
Isopropyl Alcohol	67-63-0	9640 mg/L (//OECD 203; Pimephales promelas; 96 h)	-	> 10000 mg/L (//OECD 202; Daphnia magna; 24 h)	-

### 12.2 Persistence and degradability

#### Persistence and degradability

Chemical Name	CAS No	Persistence and degradability	Ready Biodegradation Test (OECD 301)
Isopropyl Alcohol	67-63-0	.	53% O <sub>2</sub> ; //EC 440/2008 C.5; 5 d

### 12.3 Bioaccumulative potential

#### Bioaccumulative potential

No information available.

Chemical Name	CAS No	Bioaccumulative potential	Octanol/water partition coefficient
Isopropyl Alcohol	67-63-0	Not expected to bioaccumulate due to the low log Kow (log Kow < 4)	0.05

### 12.4 Mobility in soil

#### Mobility

No information available.

### 12.5 Results of PBT and vPvB assessment

#### PBT and vPvB assessment

This mixture does not contain any substances that are assessed to be a PBT or a vPvB.

### 12.6 Other adverse effects

#### Other adverse effects

No information available.

## Section 13: DISPOSAL CONSIDERATIONS

### 13.1 Waste treatment methods

#### Waste from Residues/Unused Products

Dispose of in accordance with local regulations.

#### Disposal Recommendations

The waste codes/waste designations below are in accordance with EWC. Waste must be delivered to an approved waste disposal company. Waste is to be kept separate from other types of waste until its disposal. Do not throw waste product into the sewer. Where possible recycling is preferred to disposal or incineration. For handling waste, see measures described in section 7. Empty, uncleaned packaging need the same disposal considerations as filled packaging.

#### EWC Waste Disposal No

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

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 Marine pollutant Not regulated  
 14.7 Transport in bulk according to Annex II of MARPOL and the IBC Code No information available

**IATA**

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 Marine pollutant Not regulated

**ADR**

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 Marine pollutant Not regulated

**RID**

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 Marine pollutant Not regulated

**ADN**

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 Marine pollutant Not regulated

**Section 15: REGULATORY INFORMATION**

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

**EU Regulations**

**Regulation (EC) No. 1907/2006, REACH Annex XVII Substances subject to restriction on marketing and use as amended** Contains no REACH substances with Annex XVII restrictions.

**Regulation (EC) No. 1907/2006, 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** Regulation (EC) No. 648/2004 (Detergents regulation). Classification and procedure used

**prohibition regulations** 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**

**15.2 Chemical Safety Assessment**

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

**Section 16: OTHER INFORMATION**

**16.1 Indication of changes**

**Issuing Date:** 14-Oct-2019  
**Revision date** 14-Oct-2019  
**Revision Note** Not applicable

**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]**

**16.4 Full text of H-Statements referred to under sections 2 and 3**

H225 - Highly flammable liquid and vapor  
H319 - Causes serious eye irritation  
H336 - May cause drowsiness or dizziness  
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 SDS**