

Issuing Date: 07-Feb-2023

Revision Date: 07-Feb-2023

Revision Number 1

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

### 1.1. Product identifier

**Product Identifier** C-90404763-003\_PGP\_CLPR7\_EUR  
**Product Name** Lenor S2  
**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** Liquid Fabric Enhancers  
**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	P&G Amiens, Zone Industrielle, Rue Andre, Durouchez, BP 1336, 80013, Amiens, France Tel: 33-3-22-543200 Fax: 33-3-22-435466
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

IRELAND CHEMTREC: +353 1 901 4670

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

Regulation (EC) No 1272/2008

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

### 2.2. Label elements

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

#### Hazard statements

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

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

P102 - Keep out of reach of children

EUH210 - Safety data sheet available on request

### 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)
Distearoylethyl/Dipalmitoylethyl Dimonium Chloride	1079184-43-2	5 - 10	01-000000679-63	-	Aquatic Chronic 3(H412)	-	-	-

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

#### Acute Toxicity Estimate

No information available

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

**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. Get medical attention if symptoms occur. Take off contaminated clothing and wash before reuse.

**Ingestion** IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Call a physician or poison control center immediately.

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

**Symptoms** Coughing and/ or wheezing. Redness. Swelling of tissue. Itching. Sneezing. Dryness. Pain. 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 (CO<sub>2</sub>).

**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** Ensure adequate ventilation.  
**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** 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** Do not eat, drink or smoke when using this product.  
**General hygiene considerations** Handle in accordance with good industrial hygiene and safety practice.

**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****Biological occupational exposure limits****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
Propan-2-ol	888 mg/kg bw/day	500 mg/m <sup>3</sup>	-	-

Chemical name	Consumer - oral, long-term - systemic	Consumer - inhalative, long-term - systemic	Consumer - dermal, long-term - systemic
Propan-2-ol	26 mg/kg bw	89 mg/m <sup>3</sup>	319 mg/kg bw/day

Chemical name	Worker - dermal, short-term - systemic	Worker - inhalative, short-term - systemic	Worker - dermal, short-term - local	Worker - inhalative, short-term - local
Propan-2-ol	-	1000 mg/m <sup>3</sup>	-	-

Chemical name	Consumer - oral, short-term -	Consumer - inhalative,	Consumer - dermal,

	systemic	short-term - systemic	short-term - systemic
Propan-2-ol	51 mg/kg bw	178 mg/m <sup>3</sup>	-

**Predicted No Effect Concentration (PNEC)** No information available.

Chemical name	Fresh Water	Marine water	Intermittent release
Distearoylethyl/Dipalmitoylethyl Dimonium Chloride	0.054 mg/L	0.005 mg/L	-

Chemical name	Freshwater sediment	Marine sediment	Sewage treatment plant	Soil	Air	Oral
Distearoylethyl/Dipalmitoylethyl Dimonium Chloride	109 mg/kg sediment dw	10.9 mg/kg sediment dw	4.74 mg/L	534 mg/kg soil dw	-	-

## 8.2. Exposure controls

### Personal Protective Equipment

<b>Eye/face protection</b>	No special protective equipment required.
<b>Hand protection</b>	No special protective equipment required.
<b>Skin and body protection</b>	No special protective equipment required.
<b>Respiratory protection</b>	No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.
<b>General hygiene considerations</b>	Handle in accordance with good industrial hygiene and safety practice.
<b>Environmental exposure controls</b>	Prevent that the undiluted product reaches surface waters.

## SECTION 9: Physical and chemical properties

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

<b>Physical state</b>	Liquid
<b>Appearance</b>	Liquid
<b>Color</b>	Coloured
<b>Odor</b>	Pleasant (perfume)
<b>Odor threshold</b>	Not applicable

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
<b>Melting point / freezing point</b>	No data available	Not available. This property is not relevant for the safety and classification of this product
<b>Initial boiling point and boiling range</b>	95 - 110 °C	
<b>Flammability</b>		Not applicable. This property is not relevant for liquid product forms
<b>Flammability Limit in Air</b>		Not available. This property is not relevant for the safety and classification of this product
<b>Upper flammability or explosive limits</b>	No data available	
<b>Lower flammability or explosive limits</b>	No data available	
<b>Flash point</b>	No Flash to Boiling (NFTB)	
<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>pH</b>	2.5 - 3.8	

<b>Dynamic viscosity</b>	45 - 165 mPa s	
<b>Water solubility</b>	Soluble in water	
<b>Solubility(ies)</b>	No Data Available	Not available. This property is not relevant for the safety and classification of this product
<b>Partition coefficient</b>	No Data Available	Not available. This property is not relevant for the safety and classification of this 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>	0.97 - 1.1	
<b>Relative vapor density</b>	No data available	Not available. This property is not relevant for the safety and classification of this product
<b>Particle characteristics</b>		Not available. This property is not relevant for the safety and classification of this product
<b>Particle Size</b>	No information available	
<b>Particle Size Distribution</b>	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** None known.

**Eye contact** None known.

**Skin contact** None known.

**Ingestion** None known.

**Symptoms related to the physical, chemical and toxicological characteristics**

Symptoms None.

**Numerical measures of toxicity****Acute toxicity****Component Information**

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Distearoylethyl/Dipalmitoylethyl Dimonium Chloride	10001 mg/kg (RAT)	5001 mg/kg (RABBIT)	-

Chemical name	Carcinogenicity	Species	Eye Damage	Species	Developmental toxicity	Species	Mutagenicity	Species
Propan-2-ol	-	-	Y (OECD 405)	-	-	-	-	-

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

Skin corrosion/irritation Not applicable.

Serious eye damage/eye irritation Not applicable.

Respiratory or skin sensitization Not applicable.

Germ cell mutagenicity None known.

Carcinogenicity None known.

Reproductive toxicity None known.

STOT - single exposure None known.

STOT - repeated exposure None known.

Aspiration hazard Not applicable.

**11.2. Information on other hazards****11.2.1. Endocrine disrupting properties**

**Endocrine disrupting properties** 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.

**11.2.2. Other information**

**Other adverse effects** None known.

## SECTION 12: Ecological information

### 12.1. Toxicity

**Ecotoxicity** Not considered to be harmful to aquatic life. No known adverse effects on the functioning of water treatment plants under normal use conditions as recommended.

Chemical name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Distearoylethyl/Dipalmitoylethyl Dimonium Chloride	-	LC50: =5.2mg/L (96h, Danio rerio)	-	-

### 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
Distearoylethyl/Dipalmitoylethyl Dimonium Chloride	2.7 mg/L (OECD 201; Raphidocelis subcapitata; 3 d)	0.686 mg/L (Pimephales promelas; 35 d)	1 mg/L (EPA OTS 797.1330; Daphnia magna; 21 d)	47.5 mg/L (OECD 209; activated sludge; 0.125 d)	-
Propan-2-ol	1800 mg/kg bw (Scenedesmus quadricauda; 7 d)	1001 mg/kg bw (Danio rerio; 28 d)	1001 mg/kg bw (Daphnia magna; 21 d)	(1050 mg/L (DIN 38412-8; Pseudomonas putida; 16 h))	-

### 12.2. Persistence and degradability

#### Persistence and degradability

Chemical name	Ready Biodegradation Test (OECD 301)	Abiotic Degradation Hydrolysis	Abiotic Degradation Photolysis	Biodegradation Other Tests
Distearoylethyl/Dipalmitoylethyl Dimonium Chloride	81%CO <sub>2</sub> ; OECD 301 B; 28 d	-	-	-
Propan-2-ol	53 % ( ; EU Method C.6; aerobic sewage, domestic; O <sub>2</sub> consumption; 5 d)	-	-	-

### 12.3. Bioaccumulative potential

**Bioaccumulation** There is no data for this product.

#### Component Information

Chemical name	Octanol/water partition coefficient	Bioconcentration factor (BCF)
Distearoylethyl/Dipalmitoylethyl Dimonium Chloride	3.8	13 L/kg
Propan-2-ol	0.05 (0.05)	0.964 L/kg

### 12.4. Mobility in soil

#### Mobility in soil

Chemical name	log Koc
Distearoylethyl/Dipalmitoylethyl Dimonium Chloride	20225 L/kg (OECD 106)

### 12.5. Results of PBT and vPvB assessment

**PBT and vPvB assessment** No information available.

Chemical name	PBT and vPvB assessment
Distearoylethyl/Dipalmitoylethyl Dimonium Chloride	The substance is not PBT / vPvB

### 12.6. Endocrine disrupting properties

**Endocrine disrupting properties** 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.

### 12.7. Other adverse effects

**SECTION 13: Disposal considerations****13.1. Waste treatment methods**

<b>Waste from residues/unused products</b>	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.
<b>Contaminated packaging</b>	Do not reuse empty containers.
<b>Waste codes / waste designations according to EWC / AVV</b>	20 01 29* - detergents containing dangerous substances 15 01 10* - packaging containing residues of or contaminated by dangerous substances

**SECTION 14: Transport information****IATA**

<b>14.1 UN number or ID number</b>	Not regulated
<b>14.2</b>	
<b>14.3 Transport hazard class(es)</b>	Not regulated
<b>14.4 Packing group</b>	Not regulated
<b>14.5 Environmental hazards</b>	Not applicable
<b>14.6 Special precautions for user</b>	

**IMDG**

<b>14.1 UN number or ID number</b>	Not regulated
<b>14.2</b>	
<b>14.3 Transport hazard class(es)</b>	Not regulated
<b>14.4 Packing group</b>	Not regulated
<b>14.5 Environmental hazards</b>	Not applicable
<b>14.6 Special precautions for user</b>	
<b>14.7 Maritime transport in bulk according to IMO instruments</b>	No information available

**RID**

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

**ADR**

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

**ADN**

<b>14.1 UN number or ID number</b>	Not relevant
<b>14.2</b>	
<b>14.3 Transport hazard class(es)</b>	No information available
<b>14.4 Packing group</b>	Not relevant
<b>14.5 Marine pollutant</b>	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)

**Germany****Water hazard class (WGK)** slightly hazardous to water (WGK 1)**Netherlands****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)

**Persistent Organic Pollutants**

Not applicable

**Ozone-depleting substances (ODS) regulation (EC) 1005/2009**

Not applicable

**Biocidal Products Regulation (EU) No 528/2012 (BPR)****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

---

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

**Issuing Date:** 07-Feb-2023

**Revision Date:** 07-Feb-2023

**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**