



# SAFETY DATA SHEET

This Safety Data Sheet (SDS) was created pursuant to the requirements of: Regulation (EC) No. 1907/2006 (in particular as amended by Commission Regulation (EU) 2020/878 with respect to SDSs) and Regulation (EC) No. 1272/2008 (CLP)

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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-21159453-001\_RET\_CLPR7\_EUR  
**Product Name** Lenor Spring Awakening Fabric Softener  
**Product Form** Mixture  
**Pure substance/mixture** Mixture

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

**Recommended use** Intended for general public  
**Uses advised against** No information available  
**Main user category** SU 21 - Consumer uses: Private households (= general public = consumers)  
**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, Weybridge, Surrey, KT13 0XP, UK 01932 896000 Fax: 01932 896200	Procter & Gamble Amiens S.A.S. ZI Nord 150 rue André Durouchez BP 90045 80082 Amiens Cedex 2 France
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** pgsds.im@pg.com

### 1.4. Emergency telephone number

Emergency Telephone (UK) Emergency Tel: 0800 328 8304

IRELAND CHEMTREC: +353 1 901 4670

## SECTION 2: Hazards identification

For consumer use in households, follow precautionary and first aid instructions on product label

### 2.1. Classification of the substance or mixture

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

EUH208 - Contains Cinnamal 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 (EU Index 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	01-0000000679-63	-	Aquatic Chronic 3 (H412)	-	-	-
Cinnamal	104-55-2	0 - 1	No data available	203-213-9	Aquatic Chronic 3 (H412) Eye Irrit. 2 (H319) Skin Irrit. 2 (H315) Skin Sens. 1A (H317)	Skin Sens. 1A :: 0.01%<=C<100%	-	-

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

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 and precautions 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** 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)

**Specific use(s)** Cleaning/washing agents and additives.

**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	France	Germany TRGS	Germany DFG	Greece	Hungary
Cinnamal	-	Skin sensitizer	skin sensitizer	-	-

## 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
Cinnamal	1.75 mg/kg bw/day	6.11 mg/m <sup>3</sup>	-	-

Chemical name	Consumer - oral, long-term - systemic	Consumer - inhalative, long-term - systemic	Consumer - dermal, long-term - systemic
Cinnamal	0.625 mg/kg bw	1.09 mg/m <sup>3</sup>	0.625 mg/kg bw/day

### Predicted No Effect Concentration (PNEC)

Chemical name	Fresh Water	Marine water	Intermittent release
Distearoylethyl/Dipalmitoylethyl Dimonium Chloride	0.054 mg/L	0.005 mg/L	-
Cinnamal	0.008 mg/L	0.001 mg/L	0.032 mg/L

Chemical name	Freshwater sediment	Marine sediment	Sewage treatment plant	Soil	Air	Oral
Distearoylethyl/Dipalmitoylethyl Dimonium Chloride	109 mg/kg dwt	10.9 mg/kg dwt	4.74 mg/L	534 mg/kg dwt	-	-
Cinnamal	0.101 mg/kg dwt	0.01 mg/kg dwt	7.1 mg/L	0.015 mg/kg dwt	-	-

## 8.2. Exposure controls

### Personal protective equipment

**Eye/face protection** No special protective equipment required.

**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** Handle in accordance with good industrial hygiene and safety practice.

**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	colored
Odor	Pleasant (perfume)

<b>Odor threshold</b>	No information available	
<b>Property</b>	<b>Values</b>	<b>Remarks • Method</b>
<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>	120 - 315 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

No information available

##### **Acute toxicity**

##### **Component Information**

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Distearoylethyl/Dipalmitoylethyl Dimonium Chloride	10001 mg/kg (RAT)	5001 mg/kg (Rabbit)	-
Cinnamal	2221 mg/kg (RAT)	5001 mg/kg (Rabbit)	68.9 mg/L (Rat)

Chemical name	Carcinogenicity	Species	Eye Damage	Species	Developmental toxicity	Species	Mutagenicity	Species
Cinnamal	-	-	Y (OECD 405)	-	-	-	-	-

Chemical name	Reproductive toxicity	Species	Skin corrosion/irritation	Species	Sensitization	Species
Cinnamal	-	-	Y (OECD 404)	-	-	-

Chemical name	Skin sensitization	Species	STOT - single exposure	STOT RE 1 target organ(s)	Species	STOT - repeated exposure	STOT RE 2 target organ(s)	Species	Aspiration hazard
Cinnamal	equivalent or similar to guideline OECD 406	-	-	-	-	-	-	-	-

#### 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.

##### **Acute toxicity**

Chemical name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Distearoylethyl/Dipalmito	-	LC50: =5.2mg/L (96h,	-	-

ylethyl Dimonium Chloride		Danio rerio)		
Cinnamal	31.6 mg/L (OECD 201; Desmodesmus subspicatus; 72 h)	3.9 mg/L (EU Method C.1; Danio rerio; 96 h)	71 mg/L (activated sludge; 3 h)	3.21 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
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))	-
Cinnamal	2 mg/L (OECD 201; Raphidocelis subcapitata; 3 d)	15.159 mg/L (Fresh water fish; 28 d)	1.91 mg/L (OECD 202; Daphnia magna; 2 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
Distearoylethyl/Dipalmitoylethyl Dimonium Chloride	81 % (CO <sub>2</sub> ; OECD 301 B; 28 d)	-	-	-
Cinnamal	100 % (OECD 301 B; CO <sub>2</sub> evolution; 21 d)	-	-	-

### 12.3. Bioaccumulative potential

#### Bioaccumulation

#### Component Information

Chemical name	Partition coefficient
Cinnamal	2.1065

Chemical name	Octanol/water partition coefficient	Bioconcentration factor (BCF)
Distearoylethyl/Dipalmitoylethyl Dimonium Chloride	3.8	13 L/kg
Cinnamal	2.107 (OECD 117)	8

### 12.4. Mobility in soil

#### Mobility in soil

Chemical name	log Koc
Distearoylethyl/Dipalmitoylethyl Dimonium Chloride	20225 (OECD 106)
Cinnamal	90.78 (90.78 (OECD 121))

### 12.5. Results of PBT and vPvB assessment

PBT and vPvB assessment No information available.

### 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

Waste from residues/unused The waste codes/waste designations below are in accordance with EWC. Waste must be



<b>products</b>	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</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

14.1 UN number or ID number	Not regulated
14.2 UN proper shipping name	Not regulated
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 UN proper shipping name	Not regulated
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 UN proper shipping name	Not regulated
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 UN proper shipping name	Not regulated
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 UN proper shipping name	Not regulated
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)

##### Germany

Water hazard class (WGK) slightly hazardous to water (WGK 1)

##### Netherlands

##### 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
Cinnamal	75	-

#### **Persistent Organic Pollutants**

This product contains substances which are regulated pursuant to Regulation (EC) 2019/1021 of the European Parliament and of the Council on persistent organic pollutants

#### **Ozone-depleting substances (ODS) Regulation (EU) 2024/590**

Not applicable

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

Chemical name	Biocidal Products Regulation (EU) No 528/2012 (BPR)
Cinnamal	Product-type 2: Disinfectants and algicides not intended for direct application to humans or animals

#### **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 any hazard and/or precautionary statements referred to under Sections 2-15**

H225 - Highly flammable liquid and vapor

H315 - Causes skin irritation

H317 - May cause an allergic skin reaction

H319 - Causes serious eye irritation  
H336 - May cause drowsiness or dizziness  
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	Sk*	Skin designation
DS	Dermal Sensitizer	DFG	German Research Foundation

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

**Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH)**

**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**