# SAFETY DATA SHEET



This safety data sheet was created pursuant to the requirements of: Regulation (EC) No. 1907/2006 and Regulation (EC) No. 1272/2008

RECEIVED

Thomas Ridley QC Dept.

3:32 pm, 5 Dec 2023

Issuing 04-Jan-2023 Revision Date: 04-Jan-2023 Revision Number 1

Date:

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

1.1. Product identifier

Product Identifier C-91566524-001\_RET\_CLPR7\_EUR\_SAW

Product Name Febreze Cotton Fresh

Product Form Mixture
Pure substance/mixture Mixture

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

Italy

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 Aerosol

**Use category** PC3 - Air care products

1.3. Details of the supplier of the safety data sheet

Supplier Manufacturer

Procter & Gamble UK Brooklands, Weybridge, Surrey, KT13 0XP, UK Tel: 119 Farmol S. p. A. Verdella 3 24040 Comun Nuovo, BG

01932 896000 Fax: 01932 896200

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 (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

Aerosols Category 3 - (H229)

## 2.2. Label elements

### Signal word

Warning

#### **Hazard statements**

H229 - Pressurized container: May burst if heated

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

P102 - Keep out of reach of children

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P251 - Do not pierce or burn, even after use

P410 + P412 - Protect from sunlight. Do not expose to temperatures exceeding 50 °C

P305 + P351 - IF IN EYES: Rinse cautiously with water for several minutes

P501 - Dispose of contents/container to an appropriate local waste system

Use only as directed

P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking

EUH208 - Contains Delta-Damascone, Hexyl Cinnamal May produce an allergic reaction.

**Flammable content** 5% by mass of the contents are flammable

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.

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## 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)
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<10 0%	1	1
Hexyl Cinnamal	165184-98-5	<1	01-21195330 92-50	639-566-4	Skin Sens. 1B(H317) Aquatic Acute 1(H400) Aquatic Chronic 2(H411)	-	1	1
Delta-Damascone	57378-68-4	<1	01-21195351 22-53	260-709-8	Acute Tox. 4 (Oral)(H302) Skin Irrit. 2(H315) 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
No information available

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

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Skin contact

Ingestion

## **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).

Eve 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.

IF ON SKIN: Wash with plenty of soap and water. Get medical attention if symptoms occur.

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Take off contaminated clothing and wash before reuse. Discontinue use of product.

IF SWALLOWED:. Rinse mouth. Do NOT induce vomiting. Call a physician or poison

control center immediately.

Self-protection of the first aider Wear personal protective clothing (see section 8).

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

Coughing and/ or wheezing. Redness. Swelling of tissue. Itching. Drowsiness. Dizziness. **Symptoms** 

Sneezing, Dryness, Pain, Ingestion may cause gastrointestinal irritation, nausea, vomiting

and diarrhea. Excessive secretion. Shortness of breath. Blurred vision. Headache.

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). 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** Use personal protective equipment as required. See section 8 for more information. Avoid

breathing dust/fume/gas/mist/vapors/spray.

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

Scoop absorbed substance into closing containers. **Methods for containment** 

Use a non-combustible material like vermiculite, sand or earth to soak up the product and Methods for cleaning up

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.

Clean contaminated objects and areas thoroughly observing environmental regulations. Prevention of secondary hazards

6.4. Reference to other sections

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

## **SECTION 7: Handling and storage**

## 7.1. Precautions for safe handling

Advice on safe handling Avoid contact with eyes. Avoid contact with skin. Do not eat, drink or smoke when using this

product. Use personal protection equipment. Ensure adequate ventilation. People suffering

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from perfume sensitivity should be cautious 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** 

Chemical name	European Union	Austria	Belgium	Bulgaria	Croatia
Alcohol	-	TWA: 1000 ppm	TWA: 1000 ppm	TWA: 1000 mg/m <sup>3</sup>	TWA: 1000 ppm
		TWA: 1900 mg/m <sup>3</sup>	TWA: 1907 mg/m <sup>3</sup>	_	TWA: 1900 mg/m <sup>3</sup>
		STEL 2000 ppm			-
		STEL 3800 mg/m <sup>3</sup>			
Chemical name	Cyprus	Czech Republic	Denmark	Estonia	Finland
Alcohol	-	TWA: 1000 mg/m <sup>3</sup>	TWA: 1000 ppm	TWA: 500 ppm	TWA: 1000 ppm
		Ceiling: 3000 mg/m <sup>3</sup>	TWA: 1900 mg/m <sup>3</sup>	TWA: 1000 mg/m <sup>3</sup>	TWA: 1900 mg/m <sup>3</sup>
				STEL: 1000 ppm	STEL: 1300 ppm
				STEL: 1900 mg/m <sup>3</sup>	STEL: 2500 mg/m <sup>3</sup>
Chemical name	France	Germany	Germany DFG	Greece	Hungary
Alcohol	TWA: 1000 ppm	TWA: 200 ppm	TWA: 200 ppm	TWA: 1000 ppm	TWA: 1900 mg/m <sup>3</sup>
	TWA: 1900 mg/m <sup>3</sup>	TWA: 380 mg/m <sup>3</sup>	TWA: 380 mg/m <sup>3</sup>	TWA: 1900 mg/m <sup>3</sup>	STEL: 3800 mg/m <sup>3</sup>
	STEL: 5000 ppm		Peak: 800 ppm		
	STEL: 9500 mg/m <sup>3</sup>		Peak: 1520 mg/m <sup>3</sup>		
Chemical name	Ireland	Italy	Italy REL	Latvia	Lithuania
Alcohol	STEL: 1000 ppm	-	STEL: 1000 ppm	TWA: 1000 mg/m <sup>3</sup>	TWA: 500 ppm
			STEL: 1884 mg/m <sup>3</sup>		TWA: 1000 mg/m <sup>3</sup>
					STEL: 1000 ppm
					STEL: 1900 mg/m <sup>3</sup>
					5
Chemical name	Luxembourg	Malta	Netherlands	Norway	Poland
Chemical name Alcohol	Luxembourg -	Malta -	Netherlands TWA: 260 mg/m <sup>3</sup>	TWA: 500 ppm	
	Luxembourg -	Malta -		TWA: 500 ppm TWA: 950 mg/m <sup>3</sup>	Poland
	Luxembourg -	Malta -	TWA: 260 mg/m <sup>3</sup> STEL: 1900 mg/m <sup>3</sup> H*	TWA: 500 ppm TWA: 950 mg/m <sup>3</sup> STEL: 625 ppm	Poland
	Luxembourg -	Malta -	TWA: 260 mg/m <sup>3</sup> STEL: 1900 mg/m <sup>3</sup> H*	TWA: 500 ppm TWA: 950 mg/m <sup>3</sup>	Poland
	Luxembourg - Portugal	Malta - Romania	TWA: 260 mg/m <sup>3</sup> STEL: 1900 mg/m <sup>3</sup> H*	TWA: 500 ppm TWA: 950 mg/m³ STEL: 625 ppm STEL: 1187.5 mg/m³ Slovenia	Poland TWA: 1900 mg/m³ Spain
Alcohol	-	Romania TWA: 1000 ppm	TWA: 260 mg/m³ STEL: 1900 mg/m³ H* Slovakia TWA: 500 ppm	TWA: 500 ppm TWA: 950 mg/m³ STEL: 625 ppm STEL: 1187.5 mg/m³ Slovenia TWA: 960 mg/m³	Poland TWA: 1900 mg/m³  Spain STEL: 1000 ppm
Alcohol  Chemical name	- Portugal	Romania TWA: 1000 ppm TWA: 1900 mg/m³	TWA: 260 mg/m³ STEL: 1900 mg/m³ H* Slovakia TWA: 500 ppm TWA: 960 mg/m³	TWA: 500 ppm TWA: 950 mg/m³ STEL: 625 ppm STEL: 1187.5 mg/m³ Slovenia TWA: 960 mg/m³ TWA: 500 ppm	Poland TWA: 1900 mg/m³ Spain
Alcohol  Chemical name	- Portugal	Romania TWA: 1000 ppm TWA: 1900 mg/m³ STEL: 5000 ppm	TWA: 260 mg/m³ STEL: 1900 mg/m³ H* Slovakia TWA: 500 ppm	TWA: 500 ppm TWA: 950 mg/m³ STEL: 625 ppm STEL: 1187.5 mg/m³ Slovenia TWA: 960 mg/m³ TWA: 500 ppm STEL: STEL ppm	Poland TWA: 1900 mg/m³  Spain STEL: 1000 ppm
Alcohol  Chemical name	- Portugal	Romania TWA: 1000 ppm TWA: 1900 mg/m³	TWA: 260 mg/m³ STEL: 1900 mg/m³ H*  Slovakia TWA: 500 ppm TWA: 960 mg/m³ Ceiling: 1920 mg/m³	TWA: 500 ppm TWA: 950 mg/m³ STEL: 625 ppm STEL: 1187.5 mg/m³ Slovenia TWA: 960 mg/m³ TWA: 500 ppm STEL: STEL ppm STEL: STEL mg/m³	Poland TWA: 1900 mg/m³  Spain STEL: 1000 ppm STEL: 1910 mg/m³
Alcohol  Chemical name	- Portugal	Romania TWA: 1000 ppm TWA: 1900 mg/m³ STEL: 5000 ppm	TWA: 260 mg/m³ STEL: 1900 mg/m³ H* Slovakia TWA: 500 ppm TWA: 960 mg/m³	TWA: 500 ppm TWA: 950 mg/m³ STEL: 625 ppm STEL: 1187.5 mg/m³ Slovenia TWA: 960 mg/m³ TWA: 500 ppm STEL: STEL ppm STEL: STEL mg/m³ Israel - Occupational	Poland TWA: 1900 mg/m³  Spain STEL: 1000 ppm STEL: 1910 mg/m³
Alcohol  Chemical name Alcohol	Portugal TWA: 1000 ppm	Romania TWA: 1000 ppm TWA: 1900 mg/m³ STEL: 5000 ppm STEL: 9500 mg/m³	TWA: 260 mg/m³ STEL: 1900 mg/m³ H*  Slovakia TWA: 500 ppm TWA: 960 mg/m³ Ceiling: 1920 mg/m³	TWA: 500 ppm TWA: 950 mg/m³ STEL: 625 ppm STEL: 1187.5 mg/m³ Slovenia TWA: 960 mg/m³ TWA: 500 ppm STEL: STEL ppm STEL: STEL mg/m³	Poland TWA: 1900 mg/m³  Spain STEL: 1000 ppm STEL: 1910 mg/m³
Alcohol  Chemical name Alcohol	Portugal TWA: 1000 ppm	Romania TWA: 1000 ppm TWA: 1900 mg/m³ STEL: 5000 ppm STEL: 9500 mg/m³ Switzerland	TWA: 260 mg/m³ STEL: 1900 mg/m³ H*  Slovakia TWA: 500 ppm TWA: 960 mg/m³ Ceiling: 1920 mg/m³  United Kingdom	TWA: 500 ppm TWA: 950 mg/m³ STEL: 625 ppm STEL: 1187.5 mg/m³ Slovenia TWA: 960 mg/m³ TWA: 500 ppm STEL: STEL ppm STEL: STEL mg/m³ Israel - Occupational	Poland TWA: 1900 mg/m³  Spain STEL: 1000 ppm STEL: 1910 mg/m³
Alcohol  Chemical name Alcohol	Portugal TWA: 1000 ppm  Sweden  NGV: 500 ppm	Romania TWA: 1000 ppm TWA: 1900 mg/m³ STEL: 5000 ppm STEL: 9500 mg/m³ Switzerland TWA: 500 ppm	TWA: 260 mg/m³ STEL: 1900 mg/m³ H*  Slovakia TWA: 500 ppm TWA: 960 mg/m³ Ceiling: 1920 mg/m³ United Kingdom  TWA: 1000 ppm	TWA: 500 ppm TWA: 950 mg/m³ STEL: 625 ppm STEL: 1187.5 mg/m³ Slovenia TWA: 960 mg/m³ TWA: 500 ppm STEL: STEL ppm STEL: STEL mg/m³ Israel - Occupational Exposure Limits -	Poland TWA: 1900 mg/m³  Spain STEL: 1000 ppm STEL: 1910 mg/m³
Alcohol  Chemical name Alcohol  Chemical name	Portugal TWA: 1000 ppm  Sweden  NGV: 500 ppm NGV: 1000 mg/m³	Romania TWA: 1000 ppm TWA: 1900 mg/m³ STEL: 5000 ppm STEL: 9500 mg/m³ Switzerland  TWA: 500 ppm TWA: 500 ppm	TWA: 260 mg/m³ STEL: 1900 mg/m³ H*  Slovakia TWA: 500 ppm TWA: 960 mg/m³ Ceiling: 1920 mg/m³  United Kingdom  TWA: 1000 ppm TWA: 1920 mg/m³	TWA: 500 ppm TWA: 950 mg/m³ STEL: 625 ppm STEL: 1187.5 mg/m³ Slovenia TWA: 960 mg/m³ TWA: 500 ppm STEL: STEL ppm STEL: STEL mg/m³ Israel - Occupational Exposure Limits -	Poland TWA: 1900 mg/m³  Spain STEL: 1000 ppm STEL: 1910 mg/m³
Alcohol  Chemical name Alcohol  Chemical name	Portugal TWA: 1000 ppm  Sweden  NGV: 500 ppm NGV: 1000 mg/m³ Vägledande KGV:	Romania TWA: 1000 ppm TWA: 1900 mg/m³ STEL: 5000 ppm STEL: 9500 mg/m³ Switzerland  TWA: 500 ppm TWA: 960 mg/m³ STEL: 1000 ppm	TWA: 260 mg/m³ STEL: 1900 mg/m³ H*  Slovakia TWA: 500 ppm TWA: 960 mg/m³ Ceiling: 1920 mg/m³ United Kingdom  TWA: 1000 ppm TWA: 1920 mg/m³ STEL: 3000 ppm	TWA: 500 ppm TWA: 950 mg/m³ STEL: 625 ppm STEL: 1187.5 mg/m³ Slovenia TWA: 960 mg/m³ TWA: 500 ppm STEL: STEL ppm STEL: STEL mg/m³ Israel - Occupational Exposure Limits -	Poland TWA: 1900 mg/m³  Spain STEL: 1000 ppm STEL: 1910 mg/m³
Alcohol  Chemical name Alcohol  Chemical name	Portugal TWA: 1000 ppm  Sweden  NGV: 500 ppm NGV: 1000 mg/m³ Vägledande KGV: 1000 ppm	Romania TWA: 1000 ppm TWA: 1900 mg/m³ STEL: 5000 ppm STEL: 9500 mg/m³ Switzerland  TWA: 500 ppm TWA: 500 ppm	TWA: 260 mg/m³ STEL: 1900 mg/m³ H*  Slovakia TWA: 500 ppm TWA: 960 mg/m³ Ceiling: 1920 mg/m³  United Kingdom  TWA: 1000 ppm TWA: 1920 mg/m³	TWA: 500 ppm TWA: 950 mg/m³ STEL: 625 ppm STEL: 1187.5 mg/m³ Slovenia TWA: 960 mg/m³ TWA: 500 ppm STEL: STEL ppm STEL: STEL mg/m³ Israel - Occupational Exposure Limits -	Poland TWA: 1900 mg/m³  Spain STEL: 1000 ppm STEL: 1910 mg/m³
Alcohol  Chemical name Alcohol  Chemical name	Portugal TWA: 1000 ppm  Sweden  NGV: 500 ppm NGV: 1000 mg/m³ Vägledande KGV:	Romania TWA: 1000 ppm TWA: 1900 mg/m³ STEL: 5000 ppm STEL: 9500 mg/m³ Switzerland  TWA: 500 ppm TWA: 960 mg/m³ STEL: 1000 ppm	TWA: 260 mg/m³ STEL: 1900 mg/m³ H*  Slovakia TWA: 500 ppm TWA: 960 mg/m³ Ceiling: 1920 mg/m³ United Kingdom  TWA: 1000 ppm TWA: 1920 mg/m³ STEL: 3000 ppm	TWA: 500 ppm TWA: 950 mg/m³ STEL: 625 ppm STEL: 1187.5 mg/m³ Slovenia TWA: 960 mg/m³ TWA: 500 ppm STEL: STEL ppm STEL: STEL mg/m³ Israel - Occupational Exposure Limits -	Poland TWA: 1900 mg/m³  Spain STEL: 1000 ppm STEL: 1910 mg/m³

#### Biological occupational exposure limits

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

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Derived No Effect Level (DNEL	) Long term.			
Chemical name	Worker - dermal,	Worker - inhalative,	Worker - dermal,	Worker - inhalative,
	long-term - systemic	long-term - systemic	long-term - local	long-term - local
Alcohol	343 mg/kg bw/day	950 mg/m <sup>3</sup>	-	-
Hexyl Cinnamal	18.2 mg/kg bw/day	0.078 mg/m³	0.525 mg/cm <sup>2</sup>	-

Chemical name	Consumer - oral, long-term -		Consumer - dermal, long-term	
	local	long-term - local	- local	
Hexyl Cinnamal	-	-	0.0787 mg/cm <sup>2</sup>	

Chemical name	Consumer - oral, long-term -	Consumer - inhalative,	Consumer - dermal, long-term
	systemic	long-term - systemic	- systemic
Alcohol	87 mg/kg bw/day	114 mg/m³	206 mg/kg bw/day
Hexyl Cinnamal	0.056 mg/kg bw/day	0.019 mg/m³	9.11 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
Hexyl Cinnamal	-	-	-	0.525

Chemical name	Consumer - inhalative, short-term - local	Consumer - dermal, short-term - local
Hexyl Cinnamal	4.71 mg/m³	0.0787 mg/cm <sup>2</sup>

# Predicted No Effect Concentration (PNEC)

Chemical name	Fresh Water	Marine water	Intermittent release
Alcohol	0.96 mg/L	0.79 mg/L	2.75 mg/L
Hexyl Cinnamal	0.001 mg/L	0 mg/L	0.002 mg/L

Chemical name	Freshwater	Marine sediment	Sewage	Soil	Air	Oral
	sediment		treatment plant			
Alcohol	3.6 mg/kg	2.9 mg/kg	580 mg/L	0.63 mg/kg soil	-	-
	sediment dw	sediment dw		dw		
Hexyl Cinnamal	3.2 mg/kg	0.064 mg/kg	10 mg/L	0.398 mg/kg soil	-	-
	sediment dw	sediment dw	-	dw		

## 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**

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9.1. Information on basic physical and chemical properties

**Physical state** Liquid **Appearance** Liquid Color clear

Odor Pleasant (perfume) Odor threshold No information available

Values Property

No data available

No data available

50 - 65 °C

No data available

No Data Available

Soluble in water

No Data Available

No Data Available

No Data Available

No data available

No information available

No information available

0.99 - 1.0

4.5 - 7 1 - 10 mPas

Melting point / freezing point No data available

Initial boiling point and boiling range> 80 °C

Flammability

Flammability Limit in Air

Upper flammability or explosive

limits

Lower flammability or explosive

limits

Flash point

**Autoignition temperature** 

**Decomposition temperature** 

нα **Dvnamic viscosity** 

Water solubility Solubility(ies)

Partition coefficient Vapor pressure

Relative density

Relative vapor density

Particle characteristics

**Particle Size Particle Size Distribution** 

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

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

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product forms

Not available. This property is not relevant for the

safety and classification of this product

Closed cup

Not available. This property is not relevant for the

safety and classification of this product

Not available. This property is not relevant for the

safety and classification of this product

Not available. This property is not relevant for the

safety and classification of this product

Not available. This property is not relevant for the

safety and classification of this product

Not available. This property is not relevant for the

safety and classification of this product

Not available. This property is not relevant for the

safety and classification of this product

Not available. This property is not relevant for the

safety and classification of this product

## **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

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions None under normal processing.

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10.4. Conditions to avoid

Conditions to avoid UV-radiation/sunlight. Temperatures above 50 °C / 122 °F.

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** Intentional misuse by deliberately concentrating and inhaling contents may be harmful or

fatal.

**Eye contact** Specific test data for the substance or mixture is not available.

**Skin contact** Specific test data for the substance or mixture is not available.

**Ingestion** Specific test data for the substance or mixture is not available.

Symptoms related to the physical, chemical and toxicological characteristics

**Symptoms** No information available.

Numerical measures of toxicity

**Acute toxicity** 

## **Component Information**

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Ethanol	10470 mg/kg bw (OECD 401)	-	116.9 - 133.8 mg/L air (OECD
			403)
alpha-Hexylcinnamic Aldehyde	3100 mg/kg (rat)	5001 mg/kg (rabbit)	21 mg/l (rat)
delta Damascone	1400 mg/kg (rat)	5001 mg/kg (rabbit)	-

Chemical name	Carcinogenic	Species	Eye Damage	Species	Development	Species	Mutagenicity	Species
	ity				al toxicity			
Alcohol	-	-	Y (OECD 405)	-	-	-	-	-

Chemical name	Reproductive toxicity	Species	Skin corrosion/irritatio n		Sensitization	Species
Hexyl Cinnamal	-	_	Y (EU Method B.4)	-	-	-

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Chemical name	Skin sensitizatio n		STOT - single exposure	Target Organs	.,		Target Organs		Aspiration hazard
Hexyl Cinnamal	Y (OECD 429)	_	_	-	_	_	-	-	-

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 No information available.

**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** 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.

**Unknown aquatic toxicity**Contains 1.05402 % of components with unknown hazards to the aquatic environment.

-	Chemical name	Algae/aquatic plants	Fish	Toxicity to	Crustacea
				microorganisms	
	Ethanol	275 mg/L (OECD 201;	15300 mg/L (US EPA	> 1000 mg/L (OECD 209;	5012 mg/L (ASTM
		Chlorella vulgaris; 72 h)	Method E03-05;	3 h)	E729-80; Ceriodaphnia
		-	Pimephales promelas; 96	·	dubia; 48 h)

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		h)		
alpha-Hexylcinnamic	> 0.065 mg/L (OECD 201;	1.7 mg/L (OECD 203;	-	0.157 mg/L (OECD 211;
Aldehyde	Desmodesmus	Pimephales promelas; 96		Daphnia magna; 504 h)
-	subspicatus; 72 h)	h)		

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**Chronic Toxicity** 

Official Toxicity					
Chemical name	Toxicity to algae	Toxicity to fish	Toxicity to daphnia	Toxicity to	Toxicity to other
	(NOEC or ECx)*	(NOEC or ECx)*	and other aquatic	Microorganisms	organisms
			invertebrates	(NOEC or ECx)*	
			(NOEC or ECx)*	,	
Alcohol	-	250 mg/L (OECD 212;	2 mg/L (Ceriodaphnia	-	> 79 mg/L (Guideline
		Danio rerio; 5 d)	dubia; 10 d)		not indicated; Rana
					temporaria; static;
					freshwater; 48 h)
Hexyl Cinnamal	0.065 mg/L (OECD	0.93 mg/L (OECD 203;	0.063 mg/L (OECD	-	-
	201; Desmodesmus	Pimephales promelas;	211; Daphnia magna;		
	subspicatus; 3 d)	4 d)	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
Ethanol - 64-17-5	84% O2; 20 d	< 13148.72 d	17.2 d	83%; 3 d
alpha-Hexylcinnamic Aldehyde - 165184-98-5	97%O2; OECD 301 F; 28 d	-	-	97% O2; OECD 301 F; 87% (10 d)

## 12.3. Bioaccumulative potential

**Bioaccumulation** 

There is no data for this product.

**Component Information** 

Chemical name	Partition coefficient	
Alcohol	-0.35	
Hexyl Cinnamal	5.3	

Chemical name	Octanol/water partition coefficient	Bioconcentration factor (BCF)
Alcohol	-0.35 ( OECD 107)	< 10
Hexyl Cinnamal	5.3 (OECD 117)	-

## 12.4. Mobility in soil

Mobility in soil No information available.

Chemical name	log Koc	
Alcohol	1.585	
Hexyl Cinnamal	4.2% (OECD 121)	

## 12.5. Results of PBT and vPvB assessment

PBT and vPvB assessment No information available.

Chemical name	PBT and vPvB assessment	
Alcohol	The substance is not PBT / vPvB PBT assessment does	
	not apply	
Hexyl Cinnamal	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**

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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. Dispose of in

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accordance with local regulations.

Empty containers pose a potential fire and explosion hazard. Do not cut, puncture or weld Contaminated packaging

containers.

Waste codes / waste designations

according to EWC / AVV

16 05 04\* - gases in pressure containers (including halons) containing dangerous

substances

## **SECTION 14: Transport information**

IATA

14.1 UN number or ID number UN1950

14.2 UN proper shipping name AEROSOLS, NON-FLAMMABLE

14.3 Transport hazard class(es) 2.2

14.4 Packing group Not regulated

UN1950, AEROSOLS, NON-FLAMMABLE, 2.2 Description

14.5 Environmental hazards Not applicable

14.6 Special precautions for user

**Special Provisions** 

Note:

A145, A167, A98, A802

The shipper is responsible for identifying any exemptions, including Limited Quantity, that

may apply based on package size.

**IMDG** 

14.1 UN number or ID number UN1950 **AEROSOLS** 14.2 UN proper shipping name

14.3 Transport hazard class(es)

14.4 Packing group Not regulated

Description UN1950, AEROSOLS, 2.2

14.5 Environmental hazards

14.6 Special precautions for user

**Special Provisions** 

EmS-No

14.7 Maritime transport in bulk

according to IMO instruments

Note:

63,190, 277, 327, 344, 381, 959

F-D, S-U

Not applicable

No information available

The shipper is responsible for identifying any exemptions, including Limited Quantity, that

may apply based on package size.

RID

14.1 UN number or ID number UN1950 14.2 UN proper shipping name **AEROSOLS** 

14.3 Transport hazard class(es) 2.2

14.4 Packing group Not regulated

UN1950, AEROSOLS, 2.2 Description

14.5 Environmental hazards Not applicable

14.6 Special precautions for user

**Special Provisions** 190, 327, 344, 625

Classification code 5A

ADR

14.1 UN number or ID number UN1950 14.2 UN proper shipping name **AEROSOLS** 

14.3 Transport hazard class(es) 2.2

14.4 Packing group Not regulated

Description UN1950, AEROSOLS, 2.2

Not applicable 14.5 Environmental hazards

14.6 Special precautions for user

**Special Provisions** 327, 625, 344, 190

Classification code 5A

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Tunnel restriction code (E)

**ADN** 

**14.1 UN number or ID number** UN1950 AEROSOLS

name

**Description** UN1950, AEROSOLS, 2.2

14.3 Transport hazard class(es) 2.2

14.4 Packing groupNot relevant14.5 Marine pollutantNot regulated

Classification code 5A
Hazard label(s) 2.2
Limited quantity (LQ) 1 L
Ventilation VE04
Equipment Requirements PP

## 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) slightly hazardous to water (WGK 1)

### 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 does not contain substances subject to authorization (Regulation (EC) No. 1907/2006 (REACH), Annex XIV) This product does not contain substances 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

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

Not applicable

#### 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

H302 - Harmful if swallowed

H315 - Causes skin irritation

H317 - May cause an allergic skin reaction

H319 - Causes serious eye irritation

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

#### Leaend

**Revision Date:** 

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
Flammable Aerosol	Expert judgment and weight of evidence determination

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

٧.

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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**