Safety Data Sheet

According to Annex II to REACH - Regulation (EU) 2020/878

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

1.1. Product identifier

Code: **PBIGMCOC**
Product name **Coccolatevi- Garden Musk laundry and floor freshener**

UFI : **2FP0-V07R-E00Q-EK3M**

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

Intended use **Perfume for laundry and floors**

Identified Uses	Industrial	Professional	Consumer
Room air freshener	-	-	✓

1.3. Details of the supplier of the safety data sheet

Name **EUTHALIA SRL**
Full address **Via Ignazio Ciampi 18**
District and Country **00162 Roma (Roma)**
Italia
Tel. 069682074

e-mail address of the competent person responsible for the Safety Data Sheet **federica.lizzio@euthalia.it**

1.4. Emergency telephone number

For urgent inquiries refer to **National Poisons Information Service, City Hospital, Birmingham B187QH, United Kingdom, Tel.+44 121 507 4123**

SECTION 2. Hazards identification

2.1. Classification of the substance or mixture

The product is classified as hazardous pursuant to the provisions set forth in (EC) Regulation 1272/2008 (CLP) (and subsequent amendments and supplements). The product thus requires a safety datasheet that complies with the provisions of (EU) Regulation 2020/878.
Any additional information concerning the risks for health and/or the environment are given in sections 11 and 12 of this sheet.

Hazard classification and indication:

Eye irritation, category 2	H319	Causes serious eye irritation.
Skin irritation, category 2	H315	Causes skin irritation.
Hazardous to the aquatic environment, chronic toxicity, category 2	H411	Toxic to aquatic life with long lasting effects.

2.2. Label elements

Hazard labelling pursuant to EC Regulation 1272/2008 (CLP) and subsequent amendments and supplements.

Hazard pictograms:

Signal words: Warning

Hazard statements:
H319 Causes serious eye irritation.

SECTION 2. Hazards identification ... / >>

H315	Causes skin irritation.
H411	Toxic to aquatic life with long lasting effects.
EUH208	Contains: (E)-2-methoxy-4-(prop-1-enyl)phenol Benzyl salicylate coumarin 4-tert-butylcyclohexyl acetate 1- (1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethyl-2-naphthyl) ethan-1-one May produce an allergic reaction.

Precautionary statements:

P101	If medical advice is needed, have product container or label at hand.
P102	Keep out of reach of children.
P301+P310	IF SWALLOWED: Immediately contact a POISON CENTER / doctor.
P302+P352	IN CASE OF CONTACT WITH SKIN: wash thoroughly with water.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P501	Dispose of the product / container in accordance with current legislation.

Ingredients according to Regulation (EC) No. 648/2004

Less than 5%	Cationic surfactants
5% or over but less than 15%	Non-ionic surfactants

Perfumes, Alpha-Isomethyl Ionone, Benzyl Salicilate, Butylphenyl Methylpropional, Coumarin, Hexyl Cinnamal, Limonene

2.3. Other hazards

On the basis of available data, the product does not contain any PBT or vPvB in percentage ≥ than 0,1%.

The product does not contain substances with endocrine disrupting properties in concentration ≥ 0.1%.

SECTION 3. Composition/information on ingredients

3.2. Mixtures

Contains:

Identification		x = Conc. %	Classification (EC) 1272/2008 (CLP)
1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylindeno [5,6-c] pyran			
INDEX		1 ≤ x < 1,5	**Aquatic Acute 1 H400 M=1, Aquatic Chronic 1 H410 M=1**
EC	*214-946-9*		
CAS	*1222-05-5*		
Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides			
INDEX		1 ≤ x < 1,5	**Acute Tox. 4 H302, Skin Corr. 1 H314, Eye Dam. 1 H318, Aquatic Acute 1 H400 M=10, Aquatic Chronic 1 H410 M=1**
EC	*270-325-2*		**LD50 Oral: 397,5 mg/kg**
CAS	*68424-85-1*		
1- (1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethyl-2-naphthyl) ethan-1-one			
INDEX		0,7 ≤ x < 0,8	**Skin Irrit. 2 H315, Skin Sens. 1 H317, Aquatic Chronic 1 H410 M=1**
EC	*259-174-3*		
CAS	*54464-57-2*		
REACH Reg.	*01-2119489989-04*		
4-tert-butylcyclohexyl acetate			
INDEX		0,15 ≤ x < 0,2	**Skin Sens. 1B H317**
EC	*250-954-9*		
CAS	*32210-23-4*		
Benzyl salicylate			
INDEX		0,1 ≤ x < 0,15	**Eye Irrit. 2 H319, Skin Sens. 1 H317, Aquatic Chronic 3 H412**
EC	*204-262-9*		
CAS	*118-58-1*		
coumarin			
INDEX		0,1 ≤ x < 0,15	**Acute Tox. 4 H302, Skin Sens. 1 H317, Aquatic Chronic 3 H412**
EC	*202-086-7*		**ATE Oral: 500 mg/kg**
CAS	*91-64-5*		

SECTION 3. Composition/information on ingredients ... / >>

(E)-2-methoxy-4-(prop-1-enyl)phenol

INDEX		0 ≤ x < 0,01	**Acute Tox. 4 H302, Acute Tox. 4 H312, Acute Tox. 4 H332, Eye Irrit. 2 H319, Skin Irrit. 2 H315, STOT SE 3 H335, Skin Sens. 1A H317**
EC	*227-678-2*		**Skin Sens. 1A H317: ≥ 0,01%**
CAS	*5932-68-3*		**LD50 Oral: 541,5 mg/kg, LD50 Dermal: 1911 mg/kg, ATE Inhalation vapours: 11 mg/l, ATE Inhalation mists/powders: 1,5 mg/l**

The full wording of hazard (H) phrases is given in section 16 of the sheet.

SECTION 4. First aid measures

4.1. Description of first aid measures

EYES: Remove contact lenses, if present. Wash immediately with plenty of water for at least 30-60 minutes, opening the eyelids fully. Get medical advice/attention.
SKIN: Remove contaminated clothing. Rinse skin with a shower immediately. Get medical advice/attention.
INGESTION: Have the subject drink as much water as possible. Get medical advice/attention. Do not induce vomiting unless explicitly authorised by a doctor.
INHALATION: Not relevant

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

Specific information on symptoms and effects caused by the product are unknown.

4.3. Indication of any immediate medical attention and special treatment needed

Information not available

SECTION 5. Firefighting measures

5.1. Extinguishing media

SUITABLE EXTINGUISHING EQUIPMENT
The extinguishing equipment should be of the conventional kind: carbon dioxide, foam, powder and water spray.
UNSUITABLE EXTINGUISHING EQUIPMENT
None in particular.

5.2. Special hazards arising from the substance or mixture

HAZARDS CAUSED BY EXPOSURE IN THE EVENT OF FIRE
Do not breathe combustion products.

5.3. Advice for firefighters

GENERAL INFORMATION
Use jets of water to cool the containers to prevent product decomposition and the development of substances potentially hazardous for health. Always wear full fire prevention gear. Collect extinguishing water to prevent it from draining into the sewer system. Dispose of contaminated water used for extinction and the remains of the fire according to applicable regulations.
SPECIAL PROTECTIVE EQUIPMENT FOR FIRE-FIGHTERS
Normal fire fighting clothing i.e. fire kit (BS EN 469), gloves (BS EN 659) and boots (HO specification A29 and A30) in combination with self-contained open circuit positive pressure compressed air breathing apparatus (BS EN 137).

SECTION 6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Block the leakage if there is no hazard.
Wear suitable protective equipment (including personal protective equipment referred to under Section 8 of the safety data sheet) to prevent any contamination of skin, eyes and personal clothing. These indications apply for both processing staff and those involved in emergency procedures.

6.2. Environmental precautions

The product must not penetrate into the sewer system or come into contact with surface water or ground water.

6.3. Methods and material for containment and cleaning up

Collect the leaked product into a suitable container. Evaluate the compatibility of the container to be used, by checking section 10. Absorb the

SECTION 6. Accidental release measures ... / >>

remainder with inert absorbent material.
Make sure the leakage site is well aired. Contaminated material should be disposed of in compliance with the provisions set forth in point 13.

6.4. Reference to other sections

Any information on personal protection and disposal is given in sections 8 and 13.

SECTION 7. Handling and storage

7.1. Precautions for safe handling

Before handling the product, consult all the other sections of this material safety data sheet. Avoid leakage of the product into the environment. Do not eat, drink or smoke during use. Remove any contaminated clothes and personal protective equipment before entering places in which people eat.

7.2. Conditions for safe storage, including any incompatibilities

Store only in the original container. Store the containers sealed, in a well ventilated place, away from direct sunlight. Keep containers away from any incompatible materials, see section 10 for details.

7.3. Specific end use(s)

Information not available

SECTION 8. Exposure controls/personal protection

8.1. Control parameters

1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylindeno [5,6-c] pyran

Predicted no-effect concentration - PNEC		
Normal value in fresh water	0,0044	mg/l
Normal value in marine water	0,00044	mg/l
Normal value for fresh water sediment	2	mg/kg
Normal value for marine water sediment	0,394	mg/kg
Normal value for water, intermittent release	0,03	mg/l
Normal value of STP microorganisms	1	mg/l
Normal value for the food chain (secondary poisoning)	3,3	mg/kg
Normal value for the terrestrial compartment	0,31	mg/kg
Normal value for the atmosphere	NPI	

Health - Derived no-effect level - DNEL / DMEL

	Effects on consumers				Effects on workers			
Route of exposure	Acute local	Acute systemic	Chronic local	Chronic systemic	Acute local	Acute systemic	Chronic local	Chronic systemic
Oral		NPI		3,8 mg/kg bw/d				
Inhalation	NPI	NPI	NPI	6,5 mg/m3	NPI	NPI	NPI	22 mg/m3
Skin	NPI	NPI	NPI	36 mg/kg bw/d	NPI	NPI	NPI	60 mg/kg bw/d

SECTION 8. Exposure controls/personal protection ... / >>

Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides

Predicted no-effect concentration - PNEC

Normal value in fresh water	0,0009	mg/l
Normal value in marine water	0,00096	mg/l
Normal value for fresh water sediment	12,27	mg/kg
Normal value for marine water sediment	13,09	mg/kg
Normal value for water, intermittent release	0,00016	mg/l
Normal value of STP microorganisms	0,4	mg/l
Normal value for the terrestrial compartment	7	mg/kg

Health - Derived no-effect level - DNEL / DMEL

	Effects on consumers				Effects on workers			
Route of exposure	Acute local	Acute systemic	Chronic local	Chronic systemic	Acute local	Acute systemic	Chronic local	Chronic systemic
Oral		3,4 mg/kg bw/d						
Inhalation	NPI	NPI	NPI	1,64 mg/m3	NPI	NPI	NPI	3,96 mg/m3
Skin				3,4 mg/kg bw/d				5,7 mg/kg bw/d

4-tert-butylcyclohexyl acetate

Predicted no-effect concentration - PNEC

Normal value in fresh water	0,0053	mg/l
Normal value in marine water	0,00053	mg/l
Normal value for fresh water sediment	2,01	mg/kg
Normal value for marine water sediment	0,21	mg/kg
Normal value for water, intermittent release	0,053	mg/l
Normal value of STP microorganisms	12,2	mg/l
Normal value for the food chain (secondary poisoning)	66,67	mg/kg
Normal value for the terrestrial compartment	0,42	mg/kg
Normal value for the atmosphere	NPI	

Health - Derived no-effect level - DNEL / DMEL

	Effects on consumers				Effects on workers			
Route of exposure	Acute local	Acute systemic	Chronic local	Chronic systemic	Acute local	Acute systemic	Chronic local	Chronic systemic
Oral		NPI		NPI				
Inhalation	NPI	NPI	NPI	NPI	NPI	NPI	NPI	NPI
Skin		NPI		NPI		NPI	NPI	NPI

coumarin

Predicted no-effect concentration - PNEC

Normal value in fresh water	0,019	mg/l
Normal value in marine water	0,0019	mg/l
Normal value for fresh water sediment	0,15	mg/kg
Normal value for marine water sediment	0,015	mg/kg
Normal value for water, intermittent release	0,0142	mg/l
Normal value of STP microorganisms	6,4	mg/l
Normal value for the food chain (secondary poisoning)	30,7	mg/kg
Normal value for the terrestrial compartment	0,018	mg/kg
Normal value for the atmosphere	NPI	

Health - Derived no-effect level - DNEL / DMEL

	Effects on consumers				Effects on workers			
Route of exposure	Acute local	Acute systemic	Chronic local	Chronic systemic	Acute local	Acute systemic	Chronic local	Chronic systemic
Oral				0,390 mg/kg bw/d				
Inhalation				1,69 mg/kg				6,78 mg/kg
Skin				0,390 mg/kg bw/d				0,790 mg/kg bw/d

SECTION 8. Exposure controls/personal protection ... / >>

Benzyl salicylate		
Predicted no-effect concentration - PNEC		
Normal value in fresh water	0,001	mg/l
Normal value in marine water	0,0001	mg/l
Normal value for fresh water sediment	0,583	mg/kg
Normal value for marine water sediment	0,0583	mg/kg
Normal value for water, intermittent release	0,01	mg/l
Normal value of STP microorganisms	10	mg/l
Normal value for the food chain (secondary poisoning)	80	mg/kg
Normal value for the terrestrial compartment	1,41	mg/kg
Normal value for the atmosphere	NPI	

Health - Derived no-effect level - DNEL / DMEL

	Effects on consumers				Effects on workers			
Route of exposure	Acute local	Acute systemic	Chronic local	Chronic systemic	Acute local	Acute systemic	Chronic local	Chronic systemic
Oral				0,45 mg/kg bw/d				
Inhalation				0,780 mg/m3				3,17 mg/m3
Skin				0,45 mg/kg bw/d				0,900 mg/kg bw/d

(E)-2-methoxy-4-(prop-1-enyl)phenol		
Predicted no-effect concentration - PNEC		
Normal value in fresh water	0,0047	mg/l
Normal value in marine water	0,00047	mg/l
Normal value for fresh water sediment	0,047	mg/kg
Normal value for marine water sediment	0,005	mg/kg
Normal value for water, intermittent release	0,047	mg/l
Normal value of STP microorganisms	10	mg/l
Normal value for the food chain (secondary poisoning)	41,5	mg/kg
Normal value for the terrestrial compartment	0,007	mg/kg

Health - Derived no-effect level - DNEL / DMEL

	Effects on consumers				Effects on workers			
Route of exposure	Acute local	Acute systemic	Chronic local	Chronic systemic	Acute local	Acute systemic	Chronic local	Chronic systemic
Oral				0,850 mg/kg bw/d				
Inhalation				1,5 mg/m3				6 mg/m3
Skin				0,85 mg/kg bw/d				1,71 mg/kg bw/d

VND = hazard identified but no DNEL/PNEC available ; NEA = no exposure expected ; NPI = no hazard identified ; LOW = low hazard ; MED = medium hazard ; HIGH = high hazard.

8.2. Exposure controls

As the use of adequate technical equipment must always take priority over personal protective equipment, make sure that the workplace is well aired through effective local aspiration.
When choosing personal protective equipment, ask your chemical substance supplier for advice.
Personal protective equipment must be CE marked, showing that it complies with applicable standards.
Provide an emergency shower with face and eye wash station.
HAND PROTECTION
Protect hands with category III work gloves.
The following should be considered when choosing work glove material (see standard EN 374): compatibility, degradation, permeability time.
The work gloves' resistance to chemical agents should be checked before use, as it can be unpredictable. The gloves' wear time depends on the duration and type of use.
SKIN PROTECTION
Wear category II professional long-sleeved overalls and safety footwear (see Regulation 2016/425 and standard EN ISO 20344). Wash body with soap and water after removing protective clothing.
EYE PROTECTION
Wear airtight protective goggles (see standard EN ISO 16321).
RESPIRATORY PROTECTION
Respiratory protection devices must be used if the technical measures adopted are not suitable for restricting the worker's exposure to the threshold values considered. Use a mask with a type A filter whose class (1, 2 or 3) must be chosen according to the limit of use concentration. (see standard EN 14387).

SECTION 8. Exposure controls/personal protection ... / >>

If the substance considered is odourless or its olfactory threshold is higher than the corresponding TLV-TWA and in the case of an emergency, wear open-circuit compressed air breathing apparatus (in compliance with standard EN 137) or external air-intake breathing apparatus (in compliance with standard EN 138). For a correct choice of respiratory protection device, see standard EN 529.
ENVIRONMENTAL EXPOSURE CONTROLS
The emissions generated by manufacturing processes, including those generated by ventilation equipment, should be checked to ensure compliance with environmental standards.
Product residues must not be indiscriminately disposed of with waste water or by dumping in waterways.

SECTION 9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

Properties	Value	Information
Appearance	liquid	
Colour	transparent	
Odour	characteristic	
Melting point / freezing point	not available	
Initial boiling point	not available	
Flammability	not available	
Lower explosive limit	not available	
Upper explosive limit	not available	
Flash point	not available	
Auto-ignition temperature	not available	
Decomposition temperature	not available	
pH	5 - 8	
Kinematic viscosity	not available	
Solubility	not available	
Partition coefficient: n-octanol/water	not available	
Vapour pressure	not available	
Density and/or relative density	1.01-1.02	
Relative vapour density	not available	
Particle characteristics	not applicable	

9.2. Other information

9.2.1. Information with regard to physical hazard classes

Information not available

9.2.2. Other safety characteristics

Information not available

SECTION 10. Stability and reactivity

10.1. Reactivity

There are no particular risks of reaction with other substances in normal conditions of use.

coumarin
Stable in normal conditions of use and storage.
Benzyl salicylate
Stable in normal conditions of use and storage.

10.2. Chemical stability

The product is stable in normal conditions of use and storage.

coumarin
Stable in normal conditions of use and storage.
Benzyl salicylate
Stable in normal conditions of use and storage.

10.3. Possibility of hazardous reactions

No hazardous reactions are foreseeable in normal conditions of use and storage.

coumarin

SECTION 10. Stability and reactivity ... / >>

Stable in normal conditions of use and storage.

Benzyl salicylate

Stable in normal conditions of use and storage.

10.4. Conditions to avoid

None in particular. However the usual precautions used for chemical products should be respected.

10.5. Incompatible materials

Information not available

10.6. Hazardous decomposition products

Information not available

SECTION 11. Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Metabolism, toxicokinetics, mechanism of action and other information

Information not available

Information on likely routes of exposure

Information not available

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

Information not available

Interactive effects

Information not available

ACUTE TOXICITY

ATE (Inhalation) of the mixture:	Not classified (no significant component)
ATE (Oral) of the mixture:	>2000 mg/kg
ATE (Dermal) of the mixture:	Not classified (no significant component)

PEG-7-Glyceryl Cocoate

LD50 (Oral):	> 2000 mg/kg

1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylindeno [5,6-c] pyran

LD50 (Dermal):	10000 mg/kg ratto
LD50 (Oral):	4640 mg/kg ratto

Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides

LD50 (Dermal):	3412,5 mg/kg coniglio
LD50 (Oral):	397,5 mg/kg ratto

4-tert-butylcyclohexyl acetate

LD50 (Dermal):	5,34 mg/kg Coniglio
LD50 (Oral):	4680 mg/kg Ratto

coumarin

LD50 (Dermal):	293 mg/kg Ratto
LD50 (Oral):	> 290 mg/kg Ratto

Benzyl salicylate

LD50 (Dermal):	2000 mg/kg Coniglio
LD50 (Oral):	3000 mg/kg Ratto

(E)-2-methoxy-4-(prop-1-enyl)phenol

LD50 (Dermal):	1911 mg/kg
LD50 (Oral):	541,5 mg/kg

SKIN CORROSION / IRRITATION

SECTION 11. Toxicological information ... / >>

Causes skin irritation

SERIOUS EYE DAMAGE / IRRITATION

Causes serious eye irritation

RESPIRATORY OR SKIN SENSITISATION

May produce an allergic reaction.
Contains:
(E)-2-methoxy-4-(prop-1-enyl)phenol
Benzyl salicylate
coumarin
4-tert-butylcyclohexyl acetate
1- (1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethyl-2-naphthyl) ethan-1-one

GERM CELL MUTAGENICITY

Does not meet the classification criteria for this hazard class

CARCINOGENICITY

Does not meet the classification criteria for this hazard class

REPRODUCTIVE TOXICITY

Does not meet the classification criteria for this hazard class

STOT - SINGLE EXPOSURE

Does not meet the classification criteria for this hazard class

STOT - REPEATED EXPOSURE

Does not meet the classification criteria for this hazard class

ASPIRATION HAZARD

Does not meet the classification criteria for this hazard class

11.2. Information on other hazards

Based on the available data, the product does not contain substances listed in the main European lists of potential or suspected endocrine disruptors with human health effects under evaluation.

SECTION 12. Ecological information

This product is dangerous for the environment and is toxic for aquatic organisms. In the long term, it has negative effects on the aquatic environment.

12.1. Toxicity

1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylindeno [5,6-c] pyran

LC50 - for Fish	0,95 mg/l/96h
EC50 - for Crustacea	0,3 mg/l/48h
EC10 for Algae / Aquatic Plants	0,201 mg/l/72h

4-tert-butylcyclohexyl acetate

LC50 - for Fish	8,6 mg/l/96h
EC50 - for Crustacea	5,3 mg/l/48h
EC50 - for Algae / Aquatic Plants	22 mg/l/72h
EC10 for Algae / Aquatic Plants	6,8 mg/l/72h

(E)-2-methoxy-4-(prop-1-enyl)phenol

EC50 - for Algae / Aquatic Plants	13,9 mg/l/72h

Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides

LC50 - for Fish	1,7 mg/l/96h
EC50 - for Crustacea	0,016 mg/l/48h
EC50 - for Algae / Aquatic Plants	0,03 mg/l/72h

SECTION 12. Ecological information ... / >>

Chronic NOEC for Algae / Aquatic Plants	0,0012 mg/l

Benzyl salicylate

LC50 - for Fish	1,03 mg/l/96h
EC50 - for Crustacea	1,16 mg/l/48h
EC50 - for Algae / Aquatic Plants	1,29 mg/l/72h
Chronic NOEC for Crustacea	0,894 mg/l
Chronic NOEC for Algae / Aquatic Plants	0,502 mg/l

coumarin

LC50 - for Fish	> 1,324 mg/l/96h
EC50 - for Crustacea	> 8,012 mg/l/48h
EC50 - for Algae / Aquatic Plants	1,452 mg/l/72h
Chronic NOEC for Fish	0,191 mg/l
Chronic NOEC for Crustacea	0,5 mg/l

PEG-7-Glyceryl Cocoate

LC50 - for Fish	> 10 mg/l/96h
EC50 - for Crustacea	> 10 mg/l/48h

12.2. Persistence and degradability

1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylindeno [5,6-c] pyran

Solubility in water	1,65 mg/l

Entirely degradable

4-tert-butylcyclohexyl acetate

Solubility in water	39,6 mg/l

Rapidly degradable

Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides

Solubility in water	455 mg/l

Rapidly degradable

Benzyl salicylate

Solubility in water	8,8 mg/l

Rapidly degradable

coumarin

Solubility in water	1900 mg/l

Rapidly degradable

PEG-7-Glyceryl Cocoate

Rapidly degradable

12.3. Bioaccumulative potential

1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylindeno [5,6-c] pyran

Partition coefficient: n-octanol/water	5,3 Log Kow

4-tert-butylcyclohexyl acetate

Partition coefficient: n-octanol/water	4,8 Log Kow

Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides

Partition coefficient: n-octanol/water	2,75 Log Kow

Benzyl salicylate

Partition coefficient: n-octanol/water	4 Log Kow

coumarin

Partition coefficient: n-octanol/water	1,39 Log Kow

12.4. Mobility in soil

Information not available

SECTION 12. Ecological information ... / >>

12.5. Results of PBT and vPvB assessment

On the basis of available data, the product does not contain any PBT or vPvB in percentage ≥ than 0,1%.

12.6. Endocrine disrupting properties

Based on the available data, the product does not contain substances listed in the main European lists of potential or suspected endocrine disruptors with environmental effects under evaluation.

12.7. Other adverse effects

Information not available

SECTION 13. Disposal considerations

13.1. Waste treatment methods

Reuse, when possible. Product residues should be considered special hazardous waste. The hazard level of waste containing this product should be evaluated according to applicable regulations.
Disposal must be performed through an authorised waste management firm, in compliance with national and local regulations.
Waste transportation may be subject to ADR restrictions.
CONTAMINATED PACKAGING
Contaminated packaging must be recovered or disposed of in compliance with national waste management regulations.

SECTION 14. Transport information

14.1. UN number or ID number

ADR / RID, IMDG, IATA: 3082

ADR / RID: In accordance with Special Provision 375, this product, when is packed in receptacles of a capacity ≤ 5Kg or 5L, is not submitted to ADR provisions.

IMDG: In accordance with Section 2.10.2.7 of IMDG Code, this product, when is packed in receptacles of a capacity ≤ 5Kg or 5L, is not submitted to IMDG Code provisions.

IATA: In accordance with SP A197, this product, when is packed in receptacles of a capacity ≤ 5Kg or 5L, is not submitted to IATA dangerous goods regulations.

14.2. UN proper shipping name

ADR / RID: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylindeno [5,6-c] pyran; Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides)
IMDG: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylindeno [5,6-c] pyran; Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides)
IATA: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylindeno [5,6-c] pyran; Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides)

14.3. Transport hazard class(es)

ADR / RID: Class: 9 Label: 9

IMDG: Class: 9 Label: 9

IATA: Class: 9 Label: 9

14.4. Packing group

ADR / RID, IMDG, IATA: III

SECTION 14. Transport information ... / >>

14.5. Environmental hazards

ADR / RID:	Environmentally Hazardous	
IMDG:	Marine Pollutant	
IATA:	Environmentally Hazardous	

14.6. Special precautions for user

ADR / RID:	HIN - Kemler: 90 Special provision: -	Limited Quantities: 5 L	Tunnel restriction code: (-)
IMDG:	EMS: F-A, S-F	Limited Quantities: 5 L	
IATA:	Cargo:	Maximum quantity: 450 L	Packaging instructions: 964
	Passengers:	Maximum quantity: 450 L	Packaging instructions: 964
	Special provision:	A97, A158, A197, A215	

14.7. Maritime transport in bulk according to IMO instruments

Information not relevant

SECTION 15. Regulatory information

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

Seveso Category - Directive 2012/18/EU: E2

Restrictions relating to the product or contained substances pursuant to Annex XVII to EC Regulation 1907/2006

Product

Point 3 - 40

Contained substance

Point 75

Regulation (EU) 2019/1148 - on the marketing and use of explosives precursors
not applicable

Substances in Candidate List (Art. 59 REACH)
On the basis of available data, the product does not contain any SVHC in percentage ≥ than 0,1%.

Substances subject to authorisation (Annex XIV REACH)
None

Substances subject to exportation reporting pursuant to Regulation (EU) 649/2012:
None

Substances subject to the Rotterdam Convention:
None

Substances subject to the Stockholm Convention:
None

Healthcare controls
Workers exposed to this chemical agent must not undergo health checks, provided that available risk-assessment data prove that the risks related to the workers' health and safety are modest and that the 98/24/EC directive is respected.

Regulation (EC) No. 648/2004
Ingredients according to Regulation (EC) No. 648/2004

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.

SECTION 15. Regulatory information ... / >>

15.2. Chemical safety assessment

A chemical safety assessment has not been performed for the preparation/for the substances indicated in section 3.

SECTION 16. Other information

Text of hazard (H) indications mentioned in section 2-3 of the sheet:

Acute Tox. 4	Acute toxicity, category 4
Skin Corr. 1	Skin corrosion, category 1
Eye Irrit. 2	Eye irritation, category 2
Skin Irrit. 2	Skin irritation, category 2
STOT SE 3	Specific target organ toxicity - single exposure, category 3
Skin Sens. 1	Skin sensitization, category 1
Skin Sens. 1A	Skin sensitization, category 1A
Skin Sens. 1B	Skin sensitization, category 1B
Aquatic Acute 1	Hazardous to the aquatic environment, acute toxicity, category 1
Aquatic Chronic 1	Hazardous to the aquatic environment, chronic toxicity, category 1
Aquatic Chronic 2	Hazardous to the aquatic environment, chronic toxicity, category 2
Aquatic Chronic 3	Hazardous to the aquatic environment, chronic toxicity, category 3
H302	Harmful if swallowed.
H312	Harmful in contact with skin.
H332	Harmful if inhaled.
H314	Causes severe skin burns and eye damage.
H319	Causes serious eye irritation.
H315	Causes skin irritation.
H335	May cause respiratory irritation.
H317	May cause an allergic skin reaction.
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.
H412	Harmful to aquatic life with long lasting effects.

LEGEND:
- ADR: European Agreement concerning the carriage of Dangerous goods by Road
- ATE: Acute Toxicity Estimate
- CAS: Chemical Abstract Service Number
- CE50: Effective concentration (required to induce a 50% effect)
- CE: Identifier in ESIS (European archive of existing substances)
- CLP: Regulation (EC) 1272/2008
- DNEL: Derived No Effect Level
- EmS: Emergency Schedule
- GHS: Globally Harmonized System of classification and labeling of chemicals
- IATA DGR: International Air Transport Association Dangerous Goods Regulation
- IC50: Immobilization Concentration 50%
- IMDG: International Maritime Code for dangerous goods
- IMO: International Maritime Organization
- INDEX: Identifier in Annex VI of CLP
- LC50: Lethal Concentration 50%
- LD50: Lethal dose 50%
- OEL: Occupational Exposure Level
- PBT: Persistent bioaccumulative and toxic as REACH Regulation
- PEC: Predicted environmental Concentration
- PEL: Predicted exposure level
- PNEC: Predicted no effect concentration
- REACH: Regulation (EC) 1907/2006
- RID: Regulation concerning the international transport of dangerous goods by train
- TLV: Threshold Limit Value
- TLV CEILING: Concentration that should not be exceeded during any time of occupational exposure.
- TWA: Time-weighted average exposure limit
- TWA STEL: Short-term exposure limit
- VOC: Volatile organic Compounds
- vPvB: Very Persistent and very Bioaccumulative as for REACH Regulation
- WGK: Water hazard classes (German).

GENERAL BIBLIOGRAPHY
1. Regulation (EC) 1907/2006 (REACH) of the European Parliament
2. Regulation (EC) 1272/2008 (CLP) of the European Parliament
3. Regulation (EU) 2020/878 (II Annex of REACH Regulation)

SECTION 16. Other information ... / >>

4. Regulation (EC) 790/2009 (I Atp. CLP) of the European Parliament
5. Regulation (EU) 286/2011 (II Atp. CLP) of the European Parliament
6. Regulation (EU) 618/2012 (III Atp. CLP) of the European Parliament
7. Regulation (EU) 487/2013 (IV Atp. CLP) of the European Parliament
8. Regulation (EU) 944/2013 (V Atp. CLP) of the European Parliament
9. Regulation (EU) 605/2014 (VI Atp. CLP) of the European Parliament
10. Regulation (EU) 2015/1221 (VII Atp. CLP) of the European Parliament
11. Regulation (EU) 2016/918 (VIII Atp. CLP) of the European Parliament
12. Regulation (EU) 2016/1179 (IX Atp. CLP)
13. Regulation (EU) 2017/776 (X Atp. CLP)
14. Regulation (EU) 2018/669 (XI Atp. CLP)
15. Regulation (EU) 2019/521 (XII Atp. CLP)
16. Delegated Regulation (UE) 2018/1480 (XIII Atp. CLP)
17. Regulation (EU) 2019/1148
18. Delegated Regulation (UE) 2020/217 (XIV Atp. CLP)
19. Delegated Regulation (UE) 2020/1182 (XV Atp. CLP)
20. Delegated Regulation (UE) 2021/643 (XVI Atp. CLP)
21. Delegated Regulation (UE) 2021/849 (XVII Atp. CLP)
22. Delegated Regulation (UE) 2022/692 (XVIII Atp. CLP)
23. Delegated Regulation (UE) 2023/707

- The Merck Index. - 10th Edition
- Handling Chemical Safety
- INRS - Fiche Toxicologique (toxicological sheet)
- Patty - Industrial Hygiene and Toxicology
- N.I. Sax - Dangerous properties of Industrial Materials-7, 1989 Edition
- IFA GESTIS website
- ECHA website
- Database of SDS models for chemicals - Ministry of Health and ISS (Istituto Superiore di Sanità) - Italy

Note for users:
The information contained in the present sheet are based on our own knowledge on the date of the last version. Users must verify the suitability and thoroughness of provided information according to each specific use of the product.
This document must not be regarded as a guarantee on any specific product property.
The use of this product is not subject to our direct control; therefore, users must, under their own responsibility, comply with the current health and safety laws and regulations. The producer is relieved from any liability arising from improper uses.
Provide appointed staff with adequate training on how to use chemical products.

CALCULATION METHODS FOR CLASSIFICATION
Chemical and physical hazards: Product classification derives from criteria established by the CLP Regulation, Annex I, Part 2. The data for evaluation of chemical-physical properties are reported in section 9.
Health hazards: Product classification is based on calculation methods as per Annex I of CLP, Part 3, unless determined otherwise in Section 11.
Environmental hazards: Product classification is based on calculation methods as per Annex I of CLP, Part 4, unless determined otherwise in Section 12.

Changes to previous review:
The following sections were modified:
01 / 02 / 03.