SAFETY DATA SHEET

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

1.1. Product identifier

Trade name or designation of the mixture	L'ORÉAL PARIS PREFERENCE BALAYAGE ROOT BLENDING - CHÂTAIN CLAIR
Synonyms	None.
SDS number	00-22-0000229
Product code	1223445
Issue date	09-27-2021
Version number	01

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

Identified uses	Personal care product used for cosmetic effect.
Uses advised against	None known.

1.3. Details of the supplier of the safety data sheet

Manufacturer

Company name	L'ORÉAL LIBRAMONT
Address	Route de Saint-Hubert 1 6800 RECOGNE Belgium
Telephone	+1 732 499-2745
e-mail	nacorpeuropesdsrequest@loreal.com

1.4. Emergency telephone number

France National Poisons Control Center	ORFILA number (INRS): + 33 (0) 1 45 42 59 59 (Available 24 hours a day. SDS/Product information may not be available for the Emergency Service.)
INFOTRAC	+1 352-323-3500 (Available 24 hours a day. SDS/Product information may not be available for the Emergency Service.)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

The mixture has been assessed and/or tested for its physical, health and environmental hazards and the following classification applies.

Classification according to Regulation (EC) No 1272/2008 as amended

Health hazards		
Serious eye damage/eye irritation	Category 1	H318 - Causes serious eye damage.
Environmental hazards		
Hazardous to the aquatic environment, long-term aquatic hazard	Category 3	H412 - Harmful to aquatic life with long lasting effects.

Hazard summary Causes serious eye damage. Dangerous for the environment if discharged into watercourses. Occupational exposure to the substance or mixture may cause adverse health effects. This is a consumer care product that is safe for consumers when used according to the label directions. Like many consumer products, a small number of individuals may experience reactions such as redness, rash and / or swelling upon prolonged or repeated skin contact or eye contact.

2.2. Label elements

Label according to Regulation (EC) No. 1272/2008 as amended

Contains: BEHENTRIMONIUM CHLORIDE

Hazard pictograms

Signal word Danger

Hazard statements

H318	Causes serious eye damage.
H412	Harmful to aquatic life with long lasting effects.

Precautionary statements

Prevention

P102	Keep out of reach of children.
P103	Read label before use.
P260	Do not breathe vapor.
P273	Avoid release to the environment.
P280	Wear eye protection/face protection.

Response

P101	If medical advice is needed, have product container or label at hand.
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310	Immediately call a POISON CENTER/doctor.

Storage Store away from incompatible materials.

Disposal

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

Supplemental label information 2,03% of the mixture consists of component(s) of unknown acute hazards to the aquatic environment. 3% of the mixture consists of component(s) of unknown long-term hazards to the aquatic environment. EUH208 - Contains HC VIOLET NO. 2, HC BLUE NO. 2, TETRAMETHYL ACETYLOCTAHYDRONAPHTHALENES. May produce an allergic reaction.

2.3. Other hazards Not a PBT or vPvB substance or mixture.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

General information

Chemical name	%	CAS-No. / EC No.	REACH Registration No.	Index No.	Notes
COCAMIDOPROPYL BETAINE	3,8	97862-59-4 931-296-8	01-2119488533-30	-	
Classification:	Eye Dam. 1;H318, Aquatic Chronic 3;H412				
BEHENTRIMONIUM CHLORIDE	3,16	68607-24-9 271-756-9	01-2119484817-22	-	
Classification:	Skin Irrit. 2;H315, Eye Dam. 1;H318, STOT RE 2;H373, Aquatic Acute 1;H400, Aquatic Chronic 2;H411				
AMODIMETHICONE	1,03	68554-54-1 614-604-2	-	-	
Classification:	Skin Irrit. 2;H315, Eye Irrit. 2;H319, Aquatic Chronic 3;H412				
HC BLUE NO. 2	0,69	33229-34-4 251-410-3	01-2120077457-46	-	
Classification:	Skin Sens. 1B;H317, Aquatic Chronic 3;H412				
HC VIOLET NO. 2	0,69	104226-19-9 410-910-3	-	603-136-00-4	
Classification:	Skin Sens. 1;H317, Aquatic Chronic 3;H412				
TETRAMETHYL ACETYLOCTAHYDRONAPHTHALENES	0,13	- 915-730-3	01-2119489989-04	-	
Classification:	Skin Irrit. 2;H315, Skin Sens. 1B;H317, Aquatic Chronic 2;H411				
CHLORHEXIDINE DIGLUCONATE	0,04	18472-51-0 242-354-0	01-2119946568-22	-	
Classification:	Eye Dam. 1;H318, Aquatic Acute 1;H400(M=10), Aquatic Chronic 1;H410				
CETRIMONIUM CHLORIDE	0,02	112-02-7 203-928-6	01-2119970558-23	-	
Classification:	Acute Tox. 4;H302, Acute Tox. 3;H311, Skin Corr. 1C;H314, Eye Dam. 1;H318, Aquatic Acute 1;H400(M=10), Aquatic Chronic 1;H410				

List of abbreviations and symbols that may be used above

#: This substance has been assigned Union workplace exposure limit(s).
M: M-factor
PBT: persistent, bioaccumulative and toxic substance.
vPvB: very persistent and very bioaccumulative substance.
All concentrations are in percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

Composition comments The full text for all H-statements is displayed in section 16.

SECTION 4: First aid measures

General information Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

4.1. Description of first aid measures

Inhalation Move to fresh air. Call a physician if symptoms develop or persist.

Skin contact Wash off with soap and water. Get medical attention if irritation develops and persists.

Eye contact Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention immediately.

Ingestion Rinse mouth. Get medical attention if symptoms occur.

4.2. Most important symptoms and effects, both acute and delayed Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including blindness could result.

4.3. Indication of any immediate medical attention and special treatment needed Provide general supportive measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed.

SECTION 5: Firefighting measures

General fire hazards No unusual fire or explosion hazards noted.

5.1. Extinguishing media

Suitable extinguishing media Water fog. Foam. Dry chemical powder. Carbon dioxide (CO2).

Unsuitable extinguishing media Do not use water jet as an extinguisher, as this will spread the fire.

5.2. Special hazards arising from the substance or mixture During fire, gases hazardous to health may be formed.

5.3. Advice for firefighters

Special protective equipment for firefighters Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

Special fire fighting procedures Move containers from fire area if you can do so without risk.

Specific methods Use standard firefighting procedures and consider the hazards of other involved materials.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

For non-emergency personnel Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Wear appropriate protective equipment and clothing during clean-up. Do not breathe vapor. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.

For emergency responders Keep unnecessary personnel away. Use personal protection recommended in Section 8 of the SDS.

6.2. Environmental precautions Avoid release to the environment. Inform appropriate managerial or supervisory personnel of all environmental releases. Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground.

6.3. Methods and material for containment and cleaning up Prevent product from entering drains.

Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Absorb in vermiculite, dry sand or earth and place into containers. Following product recovery, flush area with water.

Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

Never return spills to original containers for re-use.

6.4. Reference to other sections For personal protection, see section 8 of the SDS. For waste disposal, see section 13 of the SDS.

SECTION 7: Handling and storage

7.1. Precautions for safe handling Do not breathe vapor. Do not get this material in contact with eyes. Avoid prolonged exposure. Provide adequate ventilation. Wear appropriate personal protective equipment. Avoid release to the environment. Observe good industrial hygiene practices.

7.2. Conditions for safe storage, including any incompatibilities Store in tightly closed container. Keep out of the reach of children. Store away from incompatible materials (see Section 10 of the SDS).

7.3. Specific end use(s) Not available.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational exposure limits

Ordinance of the Minister of Labour and Social Policy on 6 June 2014 on the maximum permissible concentrations and intensities of harmful health factors in the work environment, Journal of Laws 2014, item 817

Components	Type	Value	Form
PROPYLENE GLYCOL (CAS 57-55-6)	TWA	100 mg/m3	Inhalable fraction and vapor.

Biological limit values No biological exposure limits noted for the ingredient(s).

Recommended monitoring procedures Follow standard monitoring procedures.

Derived no effect levels (DNELs) Not available.

Predicted no effect concentrations (PNECs) Not available.

8.2. Exposure controls

Appropriate engineering controls Good general ventilation should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Provide eyewash station.

Individual protection measures, such as personal protective equipment

General information Use personal protective equipment as required. Personal protection equipment should be chosen according to the CEN standards and in discussion with the supplier of the personal protective equipment.

Eye/face protection Applicable for industrial settings only. Wear safety glasses with side shields (or goggles) and a face shield.

Skin protection

- Hand protection Applicable for industrial settings only. Wear appropriate chemical resistant gloves.

- Other Applicable for industrial settings only. Wear suitable protective clothing.

Respiratory protection Applicable for industrial settings only. In case of insufficient ventilation, wear suitable respiratory equipment.

Thermal hazards Wear appropriate thermal protective clothing, when necessary.

Hygiene measures Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

Environmental exposure controls Inform appropriate managerial or supervisory personnel of all environmental releases.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance

Physical state Liquid.

Form Cream.

Color Light brown.

Odor Characteristic.

Odor threshold Not available.

pH 6,4 - 7

Melting point/freezing point Not available.

Initial boiling point and boiling range > 212 °F (> 100 °C)

Flash point > 212,0 °F (> 100,0 °C) Closed Cup

Evaporation rate Not available.

Flammability (solid, gas) Not applicable.

Upper/lower flammability or explosive limits

Flammability limit - lower (%) Not available.

Flammability limit - upper (%)	Not available.
Vapor pressure	Not available.
Vapor density	Not available.
Relative density	Not available.
Solubility(ies)	
Solubility (water)	Not available.
Partition coefficient (n-octanol/water)	Not available.
Auto-ignition temperature	Not available.
Decomposition temperature	Not available.
Viscosity	Not available.
Explosive properties	Not explosive.
Oxidizing properties	Not oxidizing.
9.2. Other information	
Density	>= 0,98 g/cm3

SECTION 10: Stability and reactivity

10.1. Reactivity	The product is stable and non-reactive under normal conditions of use, storage and transport.
10.2. Chemical stability	Material is stable under normal conditions.
10.3. Possibility of hazardous reactions	No dangerous reaction known under conditions of normal use.
10.4. Conditions to avoid	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. Contact with incompatible materials.
10.5. Incompatible materials	Strong oxidizing agents.
10.6. Hazardous decomposition products	No hazardous decomposition products are known.

SECTION 11: Toxicological information

General information	Occupational exposure to the substance or mixture may cause adverse effects.
Information on likely routes of exposure	
Inhalation	Prolonged inhalation may be harmful.
Skin contact	May cause an allergic skin reaction.
Eye contact	Causes serious eye damage.
Ingestion	May cause discomfort if swallowed. However, ingestion is not likely to be a primary route of occupational exposure.
Symptoms	Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including blindness could result.

11.1. Information on toxicological effects

Acute toxicity Not known.

Components	Species	Test Results
AMODIMETHICONE (CAS 68554-54-1)		
Acute		
Dermal		
LD50	Rabbit	> 2000 mg/kg
Oral		
LD50	Rat	> 8000 mg/kg
BEHENTRIMONIUM CHLORIDE (CAS 68607-24-9)		
Acute		
Oral		
LD50	Rat	3190 mg/kg OECD 401
CETRIMONIUM CHLORIDE (CAS 112-02-7)		
Acute		
Dermal		
LD50	Rabbit	528 mg/kg OECD 402

Components	Species	Test Results
Oral		
LD50	Rat	699 mg/kg OECD 401
CHLORHEXIDINE DIGLUCONATE (CAS 18472-51-0)		
Acute		
Dermal		
LD50	Rabbit	> 5000 mg/kg
Oral		
LD50	Rat	2001 mg/kg OECD 401
COCAMIDOPROPYL BETAINE (CAS 97862-59-4)		
Acute		
Dermal		
LD50	Rat	> 620 mg/kg OECD 402
Oral		
LD50	Rat	2335 mg/kg OECD 401
HC BLUE NO. 2 (CAS 33229-34-4)		
Acute		
Oral		
LD50	Rat	> 2000 mg/kg OECD 420
HC VIOLET NO. 2 (CAS 104226-19-9)		
Acute		
Dermal		
LD50	Rat	> 2000 mg/kg OECD 402
Oral		
LD50	Rat	> 2000 mg/kg OECD 420
TETRAMETHYL ACETYLOCTAHYDRONAPHTHALENES		
Acute		
Dermal		
LD50	Rat	> 5000 mg/kg OECD 402
Oral		
LD50	Rat	> 5000 mg/kg OECD 401

Skin corrosion/irritation Due to partial or complete lack of data the classification is not possible. No adverse effects due to skin contact are expected.

Irritation Corrosion - Skin

HC BLUE NO. 2	EU B,46 Result: Not Irritating Species: RhE
CETRIMONIUM CHLORIDE	OECD 404 Result: Corrosive Species: Rabbit
CHLORHEXIDINE DIGLUCONATE	OECD 404 Result: Not Irritating Species: Rabbit
HC VIOLET NO. 2	OECD 404 Result: Not Irritating Species: Rabbit
COCAMIDOPROPYL BETAINE	OECD 404 Result: Slightly Irritating Species: Rabbit
BEHENTRIMONIUM CHLORIDE	OECD 405 Result: Irritating Species: Rabbit
TETRAMETHYL ACETYLOCTAHYDRONAPHTHALENES	OECD 439 Result: Irritating Species: In vitro
AMODIMETHICONE	Result: Irritating Species: Rabbit

Serious eye damage/eye irritation Causes serious eye damage.

Irritation Corrosion - Eye

CHLORHEXIDINE DIGLUCONATE	Draize Result: Corrosive Species: Rabbit
BEHENTRIMONIUM CHLORIDE	OECD 404 Result: Corrosive Species: Rabbit
CETRIMONIUM CHLORIDE	OECD 405 Result: Corrosive Species: Rabbit
HC BLUE NO. 2	OECD 405 Result: Not Irritating Species: Rabbit
HC VIOLET NO. 2	OECD 405 Result: Not Irritating Species: Rabbit
COCAMIDOPROPYL BETAINE	OECD 405, (C > 10%) Result: Corrosive Species: Rabbit OECD 405, (C ≤ 10%) Result: Irritating Species: Rabbit
AMODIMETHICONE	Result: Irritating Species: Rabbit
TETRAMETHYL ACETYLOCTAHYDRONAPHTHALENES	Result: Not Irritating

Respiratory sensitization Due to partial or complete lack of data the classification is not possible.

Skin sensitization Due to partial or complete lack of data the classification is not possible.

Skin sensitization

CHLORHEXIDINE DIGLUCONATE	OECD 406 Result: Not Senitizing Species: Guinea pig
BEHENTRIMONIUM CHLORIDE	OECD 406 Result: Not Sensitizing Species: Guinea pig
CETRIMONIUM CHLORIDE	OECD 406 Result: Not Sensitizing Species: Guinea pig
COCAMIDOPROPYL BETAINE	OECD 406 Result: Not Sensitizing Species: Guinea pig
HC BLUE NO. 2	OECD 429 Result: Sensitizing Species: Mouse
HC VIOLET NO. 2	OECD 429 Result: Sensitizing Species: Mouse
TETRAMETHYL ACETYLOCTAHYDRONAPHTHALENES	OECD 429 Result: Sensitizing Species: Mouse
AMODIMETHICONE	Result: Not Sensitizing Species: Guinea pig

Germ cell mutagenicity Due to partial or complete lack of data the classification is not possible.

Mutagenicity

CHLORHEXIDINE DIGLUCONATE	Result: In vitro and in vivo tests did not show mutagenic effects.
COCAMIDOPROPYL BETAINE	Result: In vitro and in vivo tests did not show mutagenic effects.
TETRAMETHYL ACETYLOCTAHYDRONAPHTHALENES	Result: In vitro and in vivo tests did not show mutagenic effects.
AMODIMETHICONE	Result: In vitro tests did not show mutagenic effects
BEHENTRIMONIUM CHLORIDE	Result: In vitro tests did not show mutagenic effects
CETRIMONIUM CHLORIDE	Result: In vitro tests did not show mutagenic effects
HC BLUE NO. 2	Result: In vitro tests showed mutagenic effects which were not observed with in vivo test.
HC VIOLET NO. 2	Result: In vitro tests showed mutagenic effects which were not observed with in vivo test.

Carcinogenicity Not classifiable as to carcinogenicity to humans. Due to partial or complete lack of data the classification is not possible.

Hungary. 26/2000 EüM Ordinance on protection against and preventing risk relating to exposure to carcinogens at work (as amended)

Not listed.

IARC Monographs. Overall Evaluation of Carcinogenicity

HC BLUE NO. 2 (CAS 33229-34-4)	3 Not classifiable as to carcinogenicity to humans.

Reproductive toxicity Due to partial or complete lack of data the classification is not possible.

Developmental effects

CHLORHEXIDINE DIGLUCONATE	> 100 mg/kg bw/d OECD 414 Result: NOAEL Species: Rat
HC BLUE NO. 2	1000 mg/kg bw/d OECD 414 Result: NOAEL Species: Rat
HC VIOLET NO. 2	2500 mg/kg bw/d OECD 414 Result: NOAEL Species: Rat
COCAMIDOPROPYL BETAINE	300 mg/kg bw/d OECD 414, No effects on development Result: NOEL Species: Rat
TETRAMETHYL ACETYLOCTAHYDRONAPHTHALENES	480 mg/kg bw/d OECD 414, No effects on development Result: NOAEL Species: Rat

Reproductivity

COCAMIDOPROPYL BETAINE	247 mg/kg bw/d OECD 408 Result: NOEL Species: Rat
BEHENTRIMONIUM CHLORIDE	75 mg/kg bw/d OECD 421 Result: NOAEL Species: Rat

Specific target organ toxicity - single exposure Due to partial or complete lack of data the classification is not possible.

Specific target organ toxicity - repeated exposure Due to partial or complete lack of data the classification is not possible.

BEHENTRIMONIUM CHLORIDE	10 mg/kg bw/d OECD 407, Oral Result: NOAEL Species: Rat Test Duration: 28 d
CETRIMONIUM CHLORIDE	100 mg/kg bw/d OECD 407 Result: NOEAL Species: Rat Test Duration: 28 d
TETRAMETHYL ACETYLOCTAHYDRONAPHTHALENES	150 mg/kg bw/d OECD 407, Oral Result: NOAEL Species: Rat Test Duration: 28 d
HC BLUE NO. 2	300 mg/kg bw/d OECD 408 Result: NOAEL Species: Rat Test Duration: 90 d
COCAMIDOPROPYL BETAINE	300 mg/kg bw/d OECD 408, Oral Result: NOEL Species: Rat Test Duration: 90 d
HC VIOLET NO. 2	50 mg/kg bw/d OECD 408 Result: NOEL Species: Rat Test Duration: 90 d
CHLORHEXIDINE DIGLUCONATE	8,88 mg/kg bw/d OECD 452 Result: LOAEL Species: Rat Test Duration: 2 years

Aspiration hazard Due to partial or complete lack of data the classification is not possible.

Mixture versus substance information No information available.

Other information The reference to any animal testing for individual constituents mentioned in this document is based on public, third-party data.

SECTION 12: Ecological information

12.1. Toxicity Harmful to aquatic life with long lasting effects. Based on available data, the classification criteria are not met for hazardous to the aquatic environment, acute hazard.

Components		Species	Test Results
AMODIMETHICONE (CAS 68554-54-1)			
Aquatic			
Acute			
Crustacea	EC50	Daphnia magna	11 mg/l, 48 h OECD 202
BEHENTRIMONIUM CHLORIDE (CAS 68607-24-9)			
Aquatic			
Acute			
Algae	EC50	Desmodesmus subspicatus	3,48 mg/l, 72 h OECD 201
Crustacea	EC50	Daphnia magna	1,39 mg/l, 48 h OECD 202
Fish	LC50	Danio rerio	0,5 - 1 mg/l, 96 h OECD 203
Other	EC50	Activated sludge of a predominantly domestic sewage	43 mg/l, 3 h OECD 209
Chronic			
Crustacea	NOEC	Daphnia magna	0,128 mg/l, 21 d OECD 211
Fish	NOEC	Danio rerio	0,24 mg/l, 9 d OECD 212
CETRIMONIUM CHLORIDE (CAS 112-02-7)			
Aquatic			
Acute			
Algae	EC50	Pseudokirchneriella subcapitata	0,08 mg/l, 72 hours OECD 201
Crustacea	EC50	Daphnia magna	0,09 mg/l, 48 hours OECD 202
Fish	LC50	Danio rerio	0,19 - 0,29 mg/l, 96 hours OECD 203
Other	EC50	Pseudomonas putida	0,96 mg/l, 16 hours DIN 38412; Pt. 8
Chronic			
Algae	NOEC	Pseudokirchneriella subcapitata	0,04 mg/l, 72 hours OECD 201
Crustacea	NOEC	Daphnia magna	0,0068 mg/l, 21 day OECD 211
Fish	NOEC	Pimephales promelas	0,032 mg/l, 28 day US FIFRA 72-4(a)
CHLORHEXIDINE DIGLUCONATE (CAS 18472-51-0)			
Aquatic			
Acute			
Algae	EC50	Desmodesmus subspicatus	0,081 mg/l, 72 h OECD 201
Crustacea	EC50	Daphnia magna	0,087 mg/l, 48 h OECD 202
Fish	LC50	Danio rerio	2,08 mg/l, 96 h OECD 203
Other	EC50	Activated sludge of a predominantly domestic sewage	25 mg/l, 3 h OECD 209
Chronic			
Algae	NOEC	Desmodesmus subspicatus	0,007 mg/l, 72 h OECD 201
Crustacea	NOEC	Daphnia magna	0,0206 mg/l, 21 d OECD 211
COCAMIDOPROPYL BETAINE (CAS 97862-59-4)			
Aquatic			
Acute			
Algae	EC50	Desmodesmus subspicatus	2,4 mg/l, 72 h OECD 201
Crustacea	EC50	Daphnia magna	1,9 mg/l, 48 h OECD 202
Fish	LC50	Pimephales promelas	1,1 mg/l, 96 h OECD 203
Other	EC0	Pseudomonas putida	3000 mg/l, 16 h ISO 10712
Chronic			
Crustacea	NOEC	Daphnia magna	0,32 mg/l, 21 d OECD 211
Fish	NOEC	Oncorhynchus mykiss	0,135 mg/l, 37 d OECD 210

Components		Species	Test Results
HC BLUE NO. 2 (CAS 33229-34-4)			
Aquatic			
Acute			
Algae	EC50	Desmodesmus subspicatus	> 100 mg/l, 72 h OECD 201
Crustacea	EC50	Daphnia magna	32,9 mg/l, 48 h OECD 202
Fish	LC50	Oncorhynchus mykiss	> 100 mg/l, 96 h OECD 203
HC VIOLET NO. 2 (CAS 104226-19-9)			
Aquatic			
Acute			
Crustacea	EC50	Daphnia magna	22 mg/l, 48 h
Fish	LC50	Oncorhynchus mykiss	> 100 mg/l, 96 h
TETRAMETHYL ACETYLOCTAHYDRONAPHTHALENES			
Aquatic			
Acute			
Algae	EC50	Desmodesmus subspicatus	> 2,6 mg/l, 72 h OECD 201
Crustacea	EC50	Daphnia magna	1,38 mg/l, 48 h OECD 202
Fish	LC50	Lepomis macrochirus	1,3 mg/l, 96 h OECD 203
Other	NOEC	Activated sludge of a predominantly domestic sewage	> 100 mg/l, 42 h OECD 301 F
Chronic			
Crustacea	NOEC	Daphnia magna	0,448 mg/l, 21 d OECD 211
Fish	NOEC	Danio rerio	0,3 mg/l, 30 d OECD 210

12.2. Persistence and degradability

Biodegradability

Percent degradation (Aerobic biodegradation)

AMODIMETHICONE	Result: Not Readily Biodegradable
BEHENTRIMONIUM CHLORIDE	80 % OECD 301 Result: Readily Biodegradable Test Duration: 28 d
CETRIMONIUM CHLORIDE	93,5 % OECD 301 B Result: Readily Biodegradable Test Duration: 28 d
CHLORHEXIDINE DIGLUCONATE	71 % OECD 301 A Result: Readily Biodegradable Test Duration: 28 d
COCAMIDOPROPYL BETAINE	91,6 % OECD 301 B Result: Readily Biodegradable Test Duration: 28 d
HC BLUE NO. 2	Result: Not Readily Biodegradable
HC VIOLET NO. 2	Result: Not Readily Biodegradable
TETRAMETHYL ACETYLOCTAHYDRONAPHTHALENES	0 % OECD 301 C Result: Not Readily Biodegradable

12.3. Bioaccumulative potential

Partition coefficient n-octanol/water (log Kow)

CETRIMONIUM CHLORIDE	3,23
CHLORHEXIDINE DIGLUCONATE	-1,81 OECD 107
COCAMIDOPROPYL BETAINE	4,2
HC VIOLET NO. 2	0,608 EU A,8
TETRAMETHYL ACETYLOCTAHYDRONAPHTHALENES	5,65 OECD 117

Bioconcentration factor (BCF)

COCAMIDOPROPYL BETAINE	71
TETRAMETHYL ACETYLOCTAHYDRONAPHTHALENES	603 OECD 305

12.4. Mobility in soil No data available.

12.5. Results of PBT and vPvB assessment Not a PBT or vPvB substance or mixture.

12.6. Other adverse effects No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

12.7. Additional information The reference to any animal testing for individual constituents mentioned in this document is based on public, third-party data.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Residual waste Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).

Contaminated packaging Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.

EU waste code The Waste code should be assigned in discussion between the user, the producer and the waste disposal company.

Disposal methods/information Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of contents/container in accordance with local/regional/national/international regulations.

Special precautions Dispose in accordance with all applicable regulations.

SECTION 14: Transport information

ADR

FINISHED GOODS

14.1. - 14.6.: Not regulated as dangerous goods.

BULK

14.1. - 14.6.: Not regulated as dangerous goods.

IATA

FINISHED GOODS

14.1. - 14.6.: Not regulated as dangerous goods.

BULK

14.1. - 14.6.: Not regulated as dangerous goods.

IMDG

FINISHED GOODS

14.1. - 14.6.: Not regulated as dangerous goods.

BULK

14.1. - 14.6.: Not regulated as dangerous goods.

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code Not established.

SECTION 15: Regulatory information

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

EU regulations

Regulation (EC) No. 1005/2009 on substances that deplete the ozone layer, Annex I and II, as amended

Not listed.

Regulation (EC) No. 850/2004 On persistent organic pollutants, Annex I as amended

Not listed.

Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex I, Part 1 as amended

Not listed.

Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex I, Part 2 as amended

Not listed.

Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex I, Part 3 as amended

Not listed.

Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex V as amended

Not listed.

Regulation (EC) No. 166/2006 Annex II Pollutant Release and Transfer Registry, as amended

Not listed.

Regulation (EC) No. 1907/2006, REACH Article 59(10) Candidate List as currently published by ECHA

Not listed.

Authorizations

Regulation (EC) No. 1907/2006, REACH Annex XIV Substances subject to authorization, as amended

Not listed.

Restrictions on use

Regulation (EC) No. 1907/2006, REACH Annex XVII Substances subject to restriction on marketing and use as amended

Not listed.

Directive 2004/37/EC: on the protection of workers from the risks related to exposure to carcinogens and mutagens at work, as amended

Not listed.

Other EU regulations

Directive 2012/18/EU on major accident hazards involving dangerous substances, as amended

Not listed.

Other regulations	The product is classified and labelled in accordance with Regulation (EC) 1272/2008 (CLP Regulation) as amended. This Safety Data Sheet complies with the requirements of Regulation (EC) No 1907/2006, as amended.
National regulations	Follow national regulation for work with chemical agents in accordance with Directive 98/24/EC, as amended.
15.2. Chemical safety assessment	No Chemical Safety Assessment has been carried out.

SECTION 16: Other information

List of abbreviations	Not available.
References	Not available.
Information on evaluation method leading to the classification of mixture	The classification for health and environmental hazards is derived by a combination of calculation methods and test data, if available.
Full text of any H-statements not written out in full under Sections 2 to 15	H302 Harmful if swallowed. H311 Toxic in contact with skin. H314 Causes severe skin burns and eye damage. H315 Causes skin irritation. H317 May cause an allergic skin reaction. H318 Causes serious eye damage. H319 Causes serious eye irritation. H373 May cause damage to organs through prolonged or repeated exposure by ingestion. 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.
Revision information	None.
Training information	Follow training instructions when handling this material.
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. This document is communicated even though this product does not legally require an SDS. The purpose of this information is to allow the operators concerned to take, if necessary, the measures they deem appropriate, with regard to the storage, handling and transport of products, in order to guarantee the protection of their employees.