



# SAFETY DATA SHEET

According to Regulation (EC) No. 1907/2006 (REACH) and its latest amendment

Issuing Date: 07-Jul-2021

Revision date 07-Jul-2021

Revision Number 1

## Section 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

### 1.1. Product identifier

Product Form	Mixture
Product Name	Lenor Color - Gold Orchid
Product Identifier	90108677_A_RET_CLP_EUR_SAW
Synonyms	C-90108677-001
Product group	Trade Product

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

Recommended use	Intended for general public
Main user category	SU 21 - Consumer uses: Private households (= general public = consumers)
Use category	PC35 - Washing and cleaning products (including solvent based products)
Uses advised against	No information available

Product category	Laundry Liquid
------------------	----------------

### 1.3. Details of the supplier of the safety data sheet

Details of the supplier of the safety data sheet	Procter & Gamble UK Brooklands, Weybridge, Surrey, KT13 0XP, UK Tel: 01932 896000 Fax: 01932 896200
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
---------------------	---

## Section 2: HAZARDS IDENTIFICATION

### 2.1. Classification of the substance or mixture

#### Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]

Skin corrosion/irritation	Category 2 - (H315)
Serious eye damage/eye irritation	Category 1 - (H318)

For the full text of the H-Statements mentioned in this Section, see Section 16.

#### Adverse human health effects and symptoms

No information available

### 2.2. Label elements

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



**Signal word**

Danger

**Hazard statements**H315 - Causes skin irritation  
H318 - Causes serious eye damage**Precautionary statements**P305 + P351 - IF IN EYES: Rinse cautiously with water for several minutes  
P302 + P352 - IF ON SKIN: Wash with plenty of water  
P501 - Dispose of contents/container to an appropriate local waste system  
P101 - If medical advice is needed, have product container or label at hand  
P102 - Keep out of reach of children  
P280 - Wear eye protection/ face protection  
P301 + P310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician  
P310 - Immediately call a POISON CENTER or doctor

EUH208 - Contains Tetramethyl Acetyloctahydronaphthalenes, Linalool, Tetrahydrolinalool, Benzisothiazolinone May produce an allergic reaction.

**2.3. Other hazards****Other hazards which do not result in classification** No presence of PBT and vPvB ingredients.**Section 3: COMPOSITION/INFORMATION ON INGREDIENTS****3.1 Substances**

Not applicable.

**3.2 Mixtures**

Chemical Name	CAS No	EC No	REACH registration number	Weight-%	Classification according to Regulation (EC) No. 1272/2008 [CLP]	M-Factor (long-term)	M-Factor
Sodium C10-13 Alkyl Benzenesulfonate	68411-30-3	270-115-0	01-2119489428-22	5 - 10	Acute Tox. 4 (Oral)(H302) Skin Irrit. 2(H315) Eye Dam. 1(H318) Aquatic Chronic 3(H412)		
Sodium Laureth Sulfate	68585-34-2	500-234-8		1 - 5	Skin Irrit. 2(H315) Eye Irrit. 2(H319)		
C15 Pareth-n	34398-05-5			1 - 5	Acute Tox. 4 (Oral)(H302) Eye Dam. 1(H318) Aquatic Acute 1(H400) Aquatic Chronic 3(H412)		
MEA-C10-13 Alkyl Benzenesulfonate	85480-55-3	287-335-8	01-2119905842-39	1 - 5	Acute Tox. 4 (Oral)(H302) Skin Irrit. 2(H315) Eye Dam. 1(H318) Aquatic Chronic 3(H412)		
Lauramine Oxide	308062-28-4	931-292-6	01-2119490061-47	<1	Acute Tox. 4 (Oral)(H302) Skin Irrit. 2(H315) Eye Dam. 1(H318) Aquatic Acute 1(H400) Aquatic Chronic 2(H411)		1
Tetramethyl Acetyloctahydronaphthalenes	54464-57-2	259-174-3	01-2119489989-04	<1	Skin Irrit. 2(H315) Skin Sens. 1B(H317) Aquatic Chronic 1(H410)		
C12-14 Pareth-n	68439-50-9	500-213-3		<1	Eye Irrit. 2(H319) Aquatic Acute 1(H400) Aquatic Chronic 3(H412)		
Linalool	78-70-6	201-134-4	01-2119474016-42	<1	Skin Irrit. 2(H315) Skin Sens. 1B(H317) Eye Irrit. 2(H319)		
Tetrahydrolinalool	78-69-3	201-133-9	01-2119454788-21	<1	Skin Irrit. 2(H315) Eye Irrit. 2(H319) Skin Sens. 1B(H317)		
Benzisothiazolinone	2634-33-5	220-120-9		<1	Acute Tox. 4 (Oral)(H302)		100

					Skin Irrit. 2(H315) Eye Dam. 1(H318) Skin Sens. 1(H317) Aquatic Acute 1(H400) Aquatic Chronic 2(H411)		
--	--	--	--	--	---	--	--

For the full text of the H-Statements mentioned in this Section, see Section 16.

## Section 4: FIRST AID MEASURES

### 4.1. Description of first aid measures

Inhalation	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician if exposed or you feel unwell.
Skin contact	IF ON SKIN: Wash with plenty of water and soap. Remove/Take off immediately all contaminated clothing. If skin irritation or rash occurs: Get medical advice/attention.
Eye contact	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician.
Ingestion	IF SWALLOWED: Rinse mouth. DO NOT induce vomiting. Immediately call a POISON CENTER or doctor/physician.

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

Symptoms/injuries after inhalation	Coughing. Sneezing.
Symptoms/injuries after skin contact	Redness. Swelling. Dryness. Itching.
Symptoms/injuries after eye contact	Severe pain. Redness. Swelling. Blurred vision.
Symptoms/injuries after ingestion	Oral mucosal or gastro-intestinal irritation. Nausea. Excessive secretion. Diarrhea. Vomiting.

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

Refer to section 4.1.

## Section 5: FIRE FIGHTING MEASURES

### 5.1. Extinguishing media

**Suitable extinguishing media** Dry chemical powder. Alcohol resistant foam. Carbon dioxide (CO<sub>2</sub>).

**Extinguishing Media Which Must Not Be Used For Safety Reasons** Not relevant.

### 5.2. Special hazards arising from the substance or mixture

Fire Hazard	No fire hazard Non-combustible
Explosion hazard	Product is not explosive.
Reactivity	No dangerous reaction known under conditions of normal use

### 5.3. Advice for firefighters

<b>Special protective equipment for fire-fighters</b>	No specific firefighting instructions required.
<b>Protective equipment and precautions for firefighters</b>	In case of inadequate ventilation wear respiratory protection.

## Section 6: ACCIDENTAL RELEASE MEASURES

### 6.1. Personal precautions, protective equipment and emergency procedures

<b>For non-emergency personnel</b>	Wear suitable gloves and eye/face protection.
<b>Advice for emergency responders</b>	Wear suitable gloves and eye/face protection.

### 6.2. Environmental precautions

<b>Environmental precautions</b>	Consumer products ending up down the drain after use. Prevent soil and water pollution. Prevent spreading in sewers.
----------------------------------	--

**6.3. Methods and material for containment and cleaning up****Methods for containment**

Scoop absorbed substance into closing containers.

**Methods for cleaning up**

Small quantities of liquid spill: take up in non-combustible absorbent material and shovel into container for disposal. 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.

**Other information**

Not relevant.

**6.4. Reference to other sections****Other information**

Refer to Sections 8 and 13.

**Section 7: HANDLING AND STORAGE****7.1. Precautions for safe handling****Advice on safe handling**

Avoid contact with eyes. Use personal protective equipment as required. Do not eat, drink or smoke when using this product. Do not handle until all safety precautions have been read and understood.

**7.2. Conditions for safe storage, including any incompatibilities****Technical measures/Storage conditions**

Store in original container. Refer to section 10.

**Incompatible products**

Refer to section 10.

**Incompatible Materials**

Refer to section 10

**Prohibitions on mixed storage**

Not relevant.

**Requirements for storage rooms and containers**

Store in a cool area. Store in a dry area.

**7.3. Specific end use(s)**

Refer to section 1.2.

**Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION****8.1. Control parameters****National Occupational Exposure Limits****Derived No Effect Level (DNEL)****Workers**

Chemical Name	CAS No	Worker - dermal, short-term - systemic	Worker - inhalative, short-term - systemic	Worker - dermal, short-term - local
Linalool	78-70-6	5 mg/kg bw/d	16.5 mg/m <sup>3</sup>	15 mg/cm <sup>2</sup>
Tetrahydrolinalool	78-69-3			2.760 mg/cm <sup>2</sup>

Chemical Name	CAS No	Worker - inhalative, short-term - local	Worker - dermal, long-term - systemic	Worker - inhalative, long-term - systemic
Sodium C10-13 Alkyl Benzenesulfonate	68411-30-3		85 mg/kg bw/d	6 mg/m <sup>3</sup>
Lauramine Oxide	308062-28-4		11 mg/kg bw/d	6.2 mg/m <sup>3</sup>
Tetramethyl Acetyloctahydronaphthalenes	54464-57-2		3.6 mg/kg bw/d	7.33 mg/m <sup>3</sup>
Linalool	78-70-6		2.5 mg/kg bw/d	2.8 mg/m <sup>3</sup>
Tetrahydrolinalool	78-69-3		2.5 mg/kg bw/d	2.75 mg/m <sup>3</sup>

Chemical Name	CAS No	Worker - dermal, long-term - local	Worker - inhalative, long-term - local
Tetramethyl Acetyloctahydronaphthalenes	54464-57-2	648 µg/cm <sup>2</sup>	
Linalool	78-70-6	15 mg/cm <sup>2</sup>	
Tetrahydrolinalool	78-69-3	2.760 mg/cm <sup>2</sup>	

**Consumers**

Chemical Name	CAS No	Consumer - inhalative,	Consumer - dermal,	Consumer - oral,
---------------	--------	------------------------	--------------------	------------------

		short-term - local	short-term - local	short-term - systemic
Linalool	78-70-6		15 mg/cm <sup>2</sup>	1.2 mg/kg bw/d
Tetrahydrolinalool	78-69-3		2.760 mg/cm <sup>2</sup>	
Chemical Name	CAS No	Consumer - inhalative, short-term - systemic	Consumer - dermal, short-term - systemic	Consumer - oral, long-term - local
Linalool	78-70-6	4.1 mg/m <sup>3</sup>	2.5 mg/kg bw/d	

Chemical Name	CAS No	Consumer - oral, long-term - systemic	Consumer - inhalative, long-term - local	Consumer - dermal, long-term - local
Sodium C10-13 Alkyl Benzenesulfonate	68411-30-3	0.425 mg/kg bw/d		
Lauramine Oxide	308062-28-4	0.44 mg/kg bw/d		
Tetramethyl Acetyloctahydronaphthalenes	54464-57-2	1.25 mg/kg bw/d		380 µg/cm <sup>2</sup>
Linalool	78-70-6	0.2 mg/kg bw/d		15 mg/cm <sup>2</sup>
Tetrahydrolinalool	78-69-3	0.2 mg/kg bw/d		2.760 mg/cm <sup>2</sup>

Chemical Name	CAS No	Consumer - inhalative, long-term - systemic	Consumer - dermal, long-term - systemic
Sodium C10-13 Alkyl Benzenesulfonate	68411-30-3	1.5 mg/m <sup>3</sup>	42.5 mg/kg bw/d
Lauramine Oxide	308062-28-4	1.53 mg/m <sup>3</sup>	5.5 mg/kg bw/d
Tetramethyl Acetyloctahydronaphthalenes	54464-57-2	2.16 mg/m <sup>3</sup>	2.15 mg/kg bw/d
Linalool	78-70-6	0.7 mg/m <sup>3</sup>	1.25 mg/kg bw/d
Tetrahydrolinalool	78-69-3	0.68 mg/m <sup>3</sup>	1.25 mg/kg bw/d

**Predicted No Effect Concentration (PNEC)**

Chemical Name	CAS No	Fresh Water	Marine water	Intermittent release
Sodium C10-13 Alkyl Benzenesulfonate	68411-30-3	0.268 mg/L	0.027 mg/L	0.017 mg/L
Lauramine Oxide	308062-28-4	0.0335 mg/L	0.00335 mg/L	0.0335 mg/L
Tetramethyl Acetyloctahydronaphthalenes	54464-57-2	0.0028 mg/L	0.00028 mg/L	
Linalool	78-70-6	0.2 mg/L	0.02 mg/L	2 mg/L
Tetrahydrolinalool	78-69-3	0.0089 mg/L	0.00089 mg/L	0.089 mg/L

Chemical Name	CAS No	Freshwater sediment	Marine sediment	Sewage treatment plant
Sodium C10-13 Alkyl Benzenesulfonate	68411-30-3	8.1 mg/kg sediment dw	6.8 mg/kg sediment dw	3.43 mg/L
Lauramine Oxide	308062-28-4	5.24 mg/kg sediment dw	0.524 mg/kg sediment dw	24 mg/L
Tetramethyl Acetyloctahydronaphthalenes	54464-57-2	3.73 mg/kg sediment dw	0.75 mg/kg sediment dw	10 mg/L
Linalool	78-70-6	2.22 mg/kg sediment dw	0.222 mg/kg sediment dw	10 mg/L
Tetrahydrolinalool	78-69-3	0.0821 mg/kg sediment dw	0.00821 mg/kg sediment dw	450 mg/L

Chemical Name	CAS No	Soil	air	Oral
Sodium C10-13 Alkyl Benzenesulfonate	68411-30-3	35 mg/kg soil dw		
Lauramine Oxide	308062-28-4	1.02 mg/kg soil dw		
Tetramethyl Acetyloctahydronaphthalenes	54464-57-2	2.7 mg/kg soil dw		
Linalool	78-70-6	0.327 mg/kg soil dw		
Tetrahydrolinalool	78-69-3	0.0112 mg/kg soil dw		

**8.2. Exposure controls****Appropriate engineering controls** No information available**Personal protective equipment** Protective personal equipment only required in case of professional use or for large packs

	(not for household packs). For consumer use please follow recommendation as indicated on the label of the product.
<b>Hand Protection</b>	Wear suitable gloves.
<b>Eye Protection</b>	Wear eye/face protection.
<b>Skin and Body Protection</b>	Not relevant.
<b>Respiratory Protection</b>	Not relevant.
<b>Thermal hazards</b>	Not relevant.
<b>Environmental exposure controls</b>	Prevent that the undiluted product reaches surface waters.

## Section 9: PHYSICAL AND CHEMICAL PROPERTIES

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

Property	Value / Units	Test Method / Notes
Appearance	Liquid	
Physical state	Liquid	
Color	Coloured	
Odor	pleasant (perfume)	
Odor threshold	No Data Available	Perceived odor at typical use conditions
pH	7 - 9	
Melting point / freezing point	No Data Available	Not available. This property is not relevant for the safety and classification of this product
Initial boiling point and boiling range	> 95 °C	
Flash point	No data available	No Flash to Boiling (NFTB)
Relative Evaporation Rate (butylacetate=1)	No data available	Not available. This property is not relevant for the safety and classification of this product
Flammability	Not relevant	Not applicable. This property is not relevant for liquid product forms
Upper/lower flammability or explosive limits	No data available	Not available. This property is not relevant for the safety and classification of this product
Vapor pressure	No data available	Not available. This property is not relevant for the safety and classification of this product
Relative density	1 - 1.1	
Solubility	Soluble in water	
Partition coefficient	Not available	Not applicable. This property is not relevant for mixtures
Autoignition temperature	No data available	Not available. This property is not relevant for the safety and classification of this product
Decomposition temperature	No data available	Not available. This property is not relevant for the safety and classification of this product
Viscosity	100 - 1000 cP	
Explosive properties	No data available	Not applicable. This product is not classified as explosive as it does not contain any substances which possesses explosive properties CLP (Art 14 (2)).
Oxidizing properties	No Data Available	Not applicable. This product is not classified as oxidizing as it does not contain any substances which possesses oxidizing properties CLP (Art 14 (2) )

### 9.2. Other information

Other information No information available.

## Section 10: STABILITY AND REACTIVITY

### 10.1. Reactivity

No dangerous reactions known.

### 10.2. Chemical stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

See section 10.1 on reactivity for more information.

#### 10.4. Conditions to avoid

None under normal use conditions.

#### 10.5. Incompatible materials

Not relevant.

#### 10.6. Hazardous decomposition products

None under normal use conditions.

### Section 11: TOXICOLOGICAL INFORMATION

#### 11.1 Information on toxicological effects

##### Mixture

<b>Acute toxicity</b>	Not Classified. Based on the available data, the classification criteria are not met.
<b>Skin corrosion/irritation</b>	Causes skin irritation.
<b>Serious eye damage/eye irritation</b>	Causes serious eye damage.
<b>Skin sensitization</b>	Not Classified. Based on the available data, the classification criteria are not met.
<b>Respiratory sensitization</b>	Not Classified. Based on the available data, the classification criteria are not met.
<b>Germ cell mutagenicity</b>	Not Classified. Based on the available data, the classification criteria are not met.
<b>Carcinogenicity</b>	Not Classified. Based on the available data, the classification criteria are not met.
<b>Reproductive toxicity</b>	Not Classified. Based on the available data, the classification criteria are not met.
<b>STOT - single exposure</b>	Not Classified. Based on the available data, the classification criteria are not met.
<b>STOT - repeated exposure</b>	Not Classified. Based on the available data, the classification criteria are not met.
<b>Aspiration hazard</b>	Not Classified. Based on the available data, the classification criteria are not met.

##### Substances in the mixture

Chemical Name	CAS No	Oral LD50	Dermal LD50	Inhalation LC50
Sodium C10-13 Alkyl Benzenesulfonate	68411-30-3	1080 mg/kg bw (OECD 401)	> 2000 mg/kg bw (OECD 402)	-
Sodium Laureth Sulfate	68585-34-2	4100 mg/kg/bw (OECD 401)	>2000 mg/kg/bw (OECD 402)	-
Lauramine Oxide	308062-28-4	1064 mg/kg bw (OECD 401)	> 2000 mg/kg bw (OECD 402)	-
Tetramethyl Acetyloctahydronaphthalenes	54464-57-2	//	//	//
Linalool	78-70-6	2790 mg/kg bodyweight (rat)	-	-
Tetrahydrolinalool	78-69-3	8270 mg/kg bw	> 5000 mg/kg bw	> 0.885 mg/L air
Benzisothiazolinone	2634-33-5	1020 mg/kg	-	-

### Section 12: ECOLOGICAL INFORMATION

#### 12.1. Toxicity

##### Ecotoxicity effects

No known adverse effects on the functioning of water treatment plants under normal use conditions as recommended. The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.

##### Acute toxicity

Chemical Name	CAS No	Fish	Algae/aquatic plants	Crustacea	Toxicity to microorganisms
Sodium C10-13 Alkyl Benzenesulfonate	68411-30-3	1.67 mg/L (Guideline: US EPA 850.1075; Lepomis macrochirus; 96 h)	7.4 mg/L (OECD 201; Desmodesmus subspicatus; 72 h)	2.9 mg/L (OECD 202; Daphnia magna; 48 h)	-
Lauramine Oxide	308062-28-4	2.67 mg/L (Pimephales promelas; 96 h)	0.266 mg/L (//OECD 201; Pseudokirchneriella subcapitata; 72 h)	3.1 mg/L (OECD 202; Daphnia magna; 48 h)	-

Tetramethyl Acetyloctahydronaphthalenes	54464-57-2	1.3 mg/L (//OECD 203; Lepomis macrochirus; 96 h)	> 2.6 mg/L (//OECD 201; Desmodesmus subspicatus; 72 h)	1.38 mg/L (//OECD 202; Daphnia magna; 48 h)	-
Linalool	78-70-6	27.8 mg/L (OECD 203; Oncorhynchus mykiss; 96 h)	156.7 mg/L (DIN 38412 L 9; Desmodesmus subspicatus; 96 h)	59 mg/L (OECD 202; Daphnia magna; 48 h)	> 100 mg/L (OECD 209; 3 h)
Tetrahydrolinalool	78-69-3	8.9 mg/L (OECD 203; Danio rerio; 96 h)	21.6 mg/L (DIN 38412, L9; Desmodesmus subspicatus; 72 h)	14.2 mg/L (OECD 202; Daphnia magna; 48 h)	1000 mg/L (DIN 38412-27; Pseudomonas putida; 0.5 h)
Benzisothiazolinone	2634-33-5	0.00997 mg/L (Oncorhynchus mykiss; 96 h)	-	0.02743 mg/L (Daphnia magna; 48 h)	-

**Chronic Toxicity**

Chemical Name	CAS No	Toxicity to fish (NOEC or ECx)*	Toxicity to algae (NOEC or ECx)*	Toxicity to daphnia and other aquatic invertebrates (NOEC or ECx)*	Toxicity to Microorganisms (NOEC or ECx)*
Sodium C10-13 Alkyl Benzenesulfonate	68411-30-3	0.23 mg/L (// OECD 210; Oncorhynchus mykiss; 72 d)	< 1.28 mg/L (OECD 201; Desmodesmus subspicatus; 3 d)	1.18 mg/L (// OECD 211; Daphnia magna; 21 d)	
Lauramine Oxide	308062-28-4	0.42 mg/L (//US EPA OPPTS 850.1500; Pimephales promelas; 302 d)	0.078 mg/L (//OECD 201; Pseudokirchneriella subcapitata; 3 d)	0.7 mg/L (//OECD 211; Daphnia magna; 21 d)	24 mg/L (Pseudomonas putida; 18 h)
Tetramethyl Acetyloctahydronaphthalenes	54464-57-2	0.16 mg/L (OECD 210; Danio rerio; 30 d)	> 2.6 mg/L (//OECD 201; Desmodesmus subspicatus; 3 d)	0.028 mg/L (OECD 211; Daphnia magna; 21 d)	> 100 mg/L (OECD 301 F; 42 d)
Linalool	78-70-6		54.3 mg/L (DIN 38412 L 9; Desmodesmus subspicatus; 4 d)		> 100 mg/L (OECD 209; 0.125 d)
Tetrahydrolinalool	78-69-3		9.5 mg/L (DIN 38412, L9; Desmodesmus subspicatus; 3 d)		EC10: 450 mg/L (DIN 38412-27; Pseudomonas putida; 0.5 h)

**12.2. Persistence and degradability****Persistence and degradability**

Chemical Name	CAS No	Persistence and degradability	Ready Biodegradation Test (OECD 301)	Biodegradation Other Tests
Sodium C10-13 Alkyl Benzenesulfonate	68411-30-3		85% CO <sub>2</sub> ; OECD 301 B	85% CO <sub>2</sub> ; 29 d; OECD 301 B
Lauramine Oxide	308062-28-4		90% CO <sub>2</sub> ; OECD 301 B; > 60% (10 d)	90% CO <sub>2</sub> ; OECD 301 B; > 60% (10 d)
Tetramethyl Acetyloctahydronaphthalenes	54464-57-2		11% O <sub>2</sub> ; OECD 301 C; 28 d	
Linalool	78-70-6		64.2% O <sub>2</sub> ; OECD 301 D; 28 d	
Tetrahydrolinalool	78-69-3		60% O <sub>2</sub> ; OECD 301 F; 61% (10 d)	

**12.3. Bioaccumulative potential****Bioaccumulative potential** No information available.

Chemical Name	CAS No	Bioaccumulative potential	Octanol/water partition coefficient
Sodium C10-13 Alkyl Benzenesulfonate	68411-30-3	Not expected to bioaccumulate due to the low log Kow (log Kow < 4)	1.4
Lauramine Oxide	308062-28-4	Not expected to bioaccumulate due to the low log Kow (log Kow < 4)	< 2.7
Tetramethyl Acetyloctahydronaphthalenes	54464-57-2		5.65
Linalool	78-70-6	Not expected to bioaccumulate	2.84



		due to the low log Kow (log Kow < 4)	
Tetrahydrolinalool	78-69-3	Not expected to bioaccumulate due to the low log Kow (log Kow < 4)	3.3
Benzisothiazolinone	2634-33-5	Not measured	

**12.4. Mobility in soil****Mobility** No information available.

Chemical Name	CAS No	log Koc
Tetramethyl Acetyloctahydronaphthalenes	54464-57-2	13182.56
Tetrahydrolinalool	78-69-3	56.3 (QSAR PCKOCWIN v1.66)

**12.5. Results of PBT and vPvB assessment****PBT and vPvB assessment** This mixture does not contain any substances that are assessed to be a PBT or a vPvB.**12.6 Other adverse effects****Other adverse effects** No information available.**Section 13: DISPOSAL CONSIDERATIONS****13.1. Waste treatment methods****Waste from Residues/Unused Products** Dispose of in accordance with local regulations.**Disposal Recommendations** The waste codes/waste designations below are in accordance with EWC. Waste must be delivered to an approved waste disposal company. Waste is to be kept separate from other types of waste until its disposal. Do not throw waste product into the sewer. Where possible recycling is preferred to disposal or incineration. Empty, uncleaned packaging need the same disposal considerations as filled packaging. For handling waste, see measures described in section 7.**Waste codes / waste designations according to EWC / AVV** 20 01 29\* - detergents containing dangerous substances  
15 01 10\* - packaging containing residues of or contaminated by dangerous substances**13.2 Additional information****Section 14: TRANSPORT INFORMATION****IMDG**

**14.1 UN number or ID number** Not regulated  
**14.2 UN proper shipping name** Not relevant  
**14.3 Transport hazard class(es)** No information available  
**14.4 Packing group** Not relevant  
**14.5 Marine pollutant** Not regulated  
**14.7 Transport in bulk according to Annex II of MARPOL and the IBC Code** No information available

**14.1 UN number or ID number** Not regulated  
**14.2 UN proper shipping name** Not relevant  
**14.3 Transport hazard class(es)** No information available  
**14.4 Packing group** No information available  
**14.5 Marine pollutant** Not regulated

**ADR**

**14.1 UN number or ID number** Not relevant  
**14.2 UN proper shipping name** Not relevant  
**14.3 Transport hazard class(es)** No information available

14.4 Packing group	Not relevant
14.5 Marine pollutant	Not regulated

#### RID

14.1 UN number or ID number	Not relevant
14.2 UN proper shipping name	Not relevant
14.3	
14.4 Packing group	Not relevant
14.5 Marine pollutant	Not regulated

#### ADN

14.1 UN number	Not relevant
14.2 UN proper shipping name	Not relevant
14.3	
14.4 Packing group	Not relevant
14.5 Marine pollutant	Not regulated

### **Section 15: REGULATORY INFORMATION**

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

##### EU Regulations

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

Contains no REACH substances with Annex XVII restrictions.

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

Contains no substance on the REACH candidate list.

Regulation (EC) No. 143/2011 Annex  
XIV Substances Subject to  
Authorisation

Contains no REACH Annex XIV substances.

**CESIO Recommendations**

The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

**Other regulations, restrictions and prohibition regulations**

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).

##### National regulatory information

#### **15.2. Chemical safety assessment**

**Chemical Safety Assessment**

No chemical safety assessment has been carried out for this mixture per REACH regulation.

### **Section 16: OTHER INFORMATION**

#### **16.1 Indication of changes**

Issuing Date:	07-Jul-2021
Revision date	07-Jul-2021
Revision Note	Not relevant

#### **16.2 Abbreviations and acronyms**

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road  
ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways  
ATE: Acute Toxicity Estimate  
DNEL: Derived No Effect Level  
EC50: Calculated concentration causing a 50% reduction in cellular reproduction  
IATA: International Air Transport Association  
IMDG: International Maritime Dangerous Goods Code  
LC50: Lethal Concentration to 50% of a test population  
LD50: Lethal Dose to 50% of a test population (Median Lethal Dose)  
OECD - Organization for Economic Cooperation and Development  
OEL: Occupational Exposure Limit  
PBT: Persistent, Bioaccumulative and Toxic substance  
PNEC(s): Predicted No Effect Concentration(s)  
REACH- Registration, Evaluation and Authorization of Chemicals  
vPvB: Very Persistent and Very Bioaccumulative

### 16.3 Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]

#### **Skin corrosion/irritation**

Category 2 - Calculation method

#### **Serious eye damage/eye irritation**

Category 1 - Calculation method

### 16.4 Full text of H-Statements referred to under sections 2 and 3

H302 - Harmful if swallowed  
H315 - Causes skin irritation  
H317 - May cause an allergic skin reaction  
H318 - Causes serious eye damage  
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  
H412 - Harmful to aquatic life with long lasting effects

This safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006 and its amendment Regulation (EU) 2015/830

### 16.5 Training Advice

Normal use of this product shall imply use in accordance with the instructions on the packaging.

### 16.6 Further information

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

*This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.*

**End of Safety Data Sheet**