



# ESSENTIAL ZIP WAX

## Safety Data Sheet

according to Regulation (EC) No. 453/2010

Date of issue: 20/08/2015

Revision date:

Version: 1.1

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

#### 1.1. Product identifier

Product form : Mixture  
Product name : ESSENTIAL ZIP WAX

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

##### 1.2.1. Relevant identified uses

Intended for general public  
Main use category : Consumer use  
Use of the substance/mixture : Automotive Care Products.

##### 1.2.2. Uses advised against

No additional information available

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

Turtle Wax Europe Limited  
4th Floor Alaska House, Atlantic Park, Dunnings Bridge Road  
Liverpool, L30 4AB - United Kingdom  
T +44 151 530 4740  
[MSDS@turtlewaxeurope.com](mailto:MSDS@turtlewaxeurope.com)

#### 1.4. Emergency telephone number

Emergency number : +44 151 530 4740  
Office hours only 08:30 - 17:00

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

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

Eye Irrit. 2 H319

Full text of H-statements: see section 16

#### 2.2. Label elements

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

Hazard pictograms (CLP) :



GHS07

Signal word (CLP) : Warning  
Hazardous ingredients : Sulphonic Acid C14-16 Alkane hydroxy and C14-16 alkene; sodium salts (=Sodium C14-16 Olefin Sulphonate), Sodium dodecyl benzene sulphonate, Coconut Diethanolamide  
Hazard statements (CLP) : H319 - Causes serious eye irritation  
Precautionary statements (CLP) : P102 - Keep out of reach of children  
P264 - Wash hands thoroughly after handling  
P280 - Wear eye protection, protective gloves  
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
P337+P313 - If eye irritation persists: Get medical advice/attention

#### 2.3. Other hazards

Adverse physicochemical, human health and environmental effects : Causes serious eye damage.  
Other hazards not contributing to the classification : None under normal conditions.

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### SECTION 3: Composition/information on ingredients

#### 3.1. Substance

Not applicable

#### 3.2. Mixture

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Sulphonic Acid C14-16 Alkane hydroxy and C14-16 alkene; sodium salts (=Sodium C14-16 Olefin Sulphonate)	(CAS No) 68439-57-6 (EC no) 270-407-8 (REACH-no) 01-2119513401-57	1 - 10	Skin Irrit. 2, H315 Eye Dam. 1, H318
Sodium dodecyl benzene sulphonate	(CAS No) 25155-30-0 (EC no) 246-680-4	1 - 10	Skin Irrit. 2, H315 Eye Dam. 1, H318
Coconut Diethanolamide	(CAS No) 68603-42-9 (EC no) 271-657-0	1 - 10	Skin Irrit. 2, H315 Eye Dam. 1, H318
Glycerine	(CAS No) 56-81-5 (EC no) 200-289-5	0.1 - 1	Not classified
Diethanolamine	(CAS No) 111-42-2 (EC no) 203-868-0 (EC index no) 603-071-00-1 (REACH-no) 01-2119488930-28	< 0.1	Acute Tox. 4 (Oral), H302 STOT RE 2, H373 Skin Irrit. 2, H315 Eye Dam. 1, H318
CI Acid Blue 9	(CAS No) 3488-45-9	< 0.1	Not classified
Ester of Montanic Acid, a wax acid mixture approx C24-C34	(EC no) 914-475-5	< 0.1	Not classified
CARNAUBA WAX		< 0.1	Not classified
(L) GERANIOL	(CAS No) 106-24-1 (EC no) 203-377-1 (REACH-no) 01-2119552430-49	< 0.1	Skin Irrit. 2, H315 Eye Dam. 1, H318 Skin Sens. 1, H317
PHENETHYL ALCOHOL	(CAS No) 60-12-8 (EC no) 200-456-2	< 0.1	Acute Tox. 4 (Oral), H302 Eye Irrit. 2, H319
TERPINEOL	(CAS No) 8000-41-7 (EC no) 232-268-1 (REACH-no) 01-2119553062-49	< 0.1	Skin Irrit. 2, H315 Eye Irrit. 2, H319
TERPINEOL ACETATE	(CAS No) 8007-35-0 (EC no) 232-357-5	< 0.1	Aquatic Chronic 2, H411
Pyrithione Zinc	(CAS No) 13463-41-7	< 0.1	Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Inhalation:dust,mist), H332 Eye Dam. 1, H318 Aquatic Acute 1, H400
2-methylisothiazol-3(2H)-one	(CAS No) 2682-20-4	< 0.1	Acute Tox. 4 (Oral), H302 Acute Tox. 3 (Inhalation:dust,mist), H331 Skin Corr. 1B, H314 Skin Sens. 1, H317 Aquatic Acute 1, H400
HEXAMETHYLINDANOPYRAN	(CAS No) 1222-05-5 (EC no) 214-946-9 (EC index no) 603-212-00-7	< 0.1	Aquatic Acute 1, H400 Aquatic Chronic 1, H410
(L) LIMONENE	(CAS No) 5989-27-5 (EC no) 227-813-5 (EC index no) 601-029-00-7	< 0.1	Flam. Liq. 3, H226 Skin Irrit. 2, H315 Skin Sens. 1, H317 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
(L) CITRAL	(CAS No) 5392-40-5 (EC no) 226-394-6 (EC index no) 605-019-00-3 (REACH-no) 01-2119462829-23	< 0.1	Skin Irrit. 2, H315 Skin Sens. 1, H317
(L) COUMARIN	(CAS No) 91-64-5 (EC no) 202-086-7 (REACH-no) 01-2119949300-45	< 0.1	Acute Tox. 4 (Oral), H302 Skin Sens. 1, H317
DIPHENYL ETHER	(CAS No) 101-84-8 (EC no) 202-981-2 (REACH-no) 01-2119472545-33	< 0.1	Aquatic Chronic 2, H411
(L) EUGENOL	(CAS No) 97-53-0 (EC no) 202-589-1	< 0.1	Skin Sens. 1B, H317 Eye Irrit. 2, H319
METHYL-BETA NAPHTHYL ETHER	(CAS No) 93-04-9 (EC no) 202-213-6 (REACH-no) 01-2119937828-21	< 0.1	Acute Tox. 4 (Oral), H302
Linalool	(CAS No) 78-70-6 (EC no) 201-134-4 (REACH-no) 01-2119474016-42	< 0.1	Skin Irrit. 2, H315

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1,2-Benzisothiazolin-3-one	(CAS No) 2634-33-5 (EC no) 220-120-9 (EC index no) 613-088-00-6	< 0.1	Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Eye Dam. 1, H318 Skin Sens. 1, H317 Aquatic Acute 1, H400
ALPHA CEDRENE	(CAS No) 469-61-4 (EC no) 207-418-4	< 0.1	Asp. Tox. 1, H304 Aquatic Acute 1, H400 (M=10) Aquatic Chronic 1, H410 (M=10)
CITRONELLAL	(CAS No) 106-23-0 (EC no) 203-376-6 (REACH-no) 01-2119474900-37	< 0.1	Skin Irrit. 2, H315 Skin Sens. 1, H317 Aquatic Chronic 2, H411
Alcohols; C16-18; ethoxylated (approx. 20 EO)	(CAS No) 68439-49-6 (EC no) 500-212-8	< 0.1	Acute Tox. 4 (Oral), H302 Eye Dam. 1, H318 Aquatic Acute 1, H400
Ethoxylated oleyl alcohol	(CAS No) 9004-98-2 (EC no) 500-016-2	< 0.1	Acute Tox. 4 (Oral), H302 Eye Dam. 1, H318
Tributylphenol polyglycol ether 1 - 7 EO	(CAS No) 9046-09-7 (EC no) 931-684-7	< 0.1	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Aquatic Chronic 2, H411
(L) ALPHA PINENE	(CAS No) 80-56-8 (EC no) 201-291-9 (REACH-no) 01-2119519223-49	< 0.1	Flam. Liq. 2, H225 Skin Sens. 1, H317 Asp. Tox. 1, H304 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
Camphor	(CAS No) 76-22-2 (EC no) 200-945-0 (REACH-no) 01-2119966156-31	< 0.1	Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Inhalation:dust,mist), H332 STOT SE 2, H371
METHYL IONONE	(CAS No) 1335-46-2 (EC no) 215-635-0	< 0.1	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1, H317 Aquatic Chronic 2, H411
AMYL SALICYLATE	(CAS No) 2050-08-0 (EC no) 218-080-2	< 0.1	Aquatic Chronic 2, H411
CITRONELLOL	(CAS No) 106-22-9 (EC no) 203-375-0 (REACH-no) 01-2119453995-23	< 0.1	Skin Irrit. 2, H315 Skin Sens. 1, H317 Aquatic Chronic 2, H411
CAMPHENE	(CAS No) 79-92-5 (EC no) 201-234-8	< 0.1	Eye Irrit. 2, H319 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
ALPHA-ISOMETHYL IONONE	(CAS No) 127-51-5 (EC no) 204-846-3	< 0.1	Skin Sens. 1, H317 Aquatic Chronic 2, H411
BETA-IONONE	(CAS No) 14901-07-6 (EC no) 238-969-9 (REACH-no) 01-2119937833-30	< 0.1	Aquatic Chronic 2, H411

### Specific concentration limits:

Name	Product identifier	Specific concentration limits
1,2-Benzisothiazolin-3-one	(CAS No) 2634-33-5 (EC no) 220-120-9 (EC index no) 613-088-00-6	(C >= 0.05) Skin Sens. 1, H317

Full text of H-phrases: see section 16

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

First-aid measures general	: If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	: Not expected to present a significant hazard under anticipated conditions of normal use.
First-aid measures after skin contact	: Wash skin with plenty of water. If skin irritation occurs: Get medical advice/attention.
First-aid measures after eye contact	: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get immediate medical advice/attention.
First-aid measures after ingestion	: Rinse mouth. Get medical advice/attention if you feel unwell.

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

Symptoms/injuries after inhalation	: None under normal use.
Symptoms/injuries after skin contact	: May cause skin irritation.
Symptoms/injuries after eye contact	: Serious damage to eyes.
Symptoms/injuries after ingestion	: May cause irritation to the respiratory tract.

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

Treat symptomatically.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

Suitable extinguishing media	: Water spray. Dry powder. Foam. Carbon dioxide.
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### 5.2. Special hazards arising from the substance or mixture

Fire hazard	: The product is not flammable.
Explosion hazard	: Product is not explosive.
Reactivity in case of fire	: Not known.
Hazardous decomposition products in case of fire	: Toxic fumes may be released.

### 5.3. Advice for firefighters

Precautionary measures fire	: Not applicable.
Firefighting instructions	: Use extinguishing media appropriate for surrounding fire.
Protection during firefighting	: Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

## SECTION 6: Accidental release measures

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

General measures	: Avoid release to the environment.
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#### 6.1.1. For non-emergency personnel

Protective equipment	: Safety glasses with side guards should be worn to prevent injury from airborne particles and/or other eye contact with this product.
Emergency procedures	: Ventilate spillage area. Avoid contact with eyes. Mark out the contaminated area with signs and prevent access to unauthorized personnel.

#### 6.1.2. For emergency responders

Protective equipment	: Do not attempt to take action without suitable protective equipment. Safety glasses. For further information refer to section 8: "Exposure controls/personal protection". Avoid contact with eyes.
Emergency procedures	: Ventilate area. Stop leak if safe to do so. Mark out the contaminated area with signs and prevent access to unauthorized personnel.

### 6.2. Environmental precautions

Avoid release to the environment.

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

For containment	: Collect spillage.
Methods for cleaning up	: Take up liquid spill into absorbent material. Shovel into suitable and closed container for disposal. This material and its container must be disposed of in a safe way, and as per local legislation.
Other information	: This material and its container must be disposed of as hazardous waste.

### 6.4. Reference to other sections

For further information refer to section 8: "Exposure controls/personal protection". For disposal of solid materials or residues refer to section 13: "Disposal considerations".

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Precautions for safe handling	: Ensure good ventilation of the work station. Wear personal protective equipment. Avoid contact with eyes.
Hygiene measures	: Always wash hands after handling the product. Do not eat, drink or smoke when using this product.

### 7.2. Conditions for safe storage, including any incompatibilities

Storage conditions	: Keep container closed when not in use. Store in a well-ventilated place. Keep cool. Store in original container.
Packaging materials	: Keep only in original container.

### 7.3. Specific end use(s)

Automotive Care Products.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

Glycerine (56-81-5)		
United Kingdom	Local name	Glycerol, mist
United Kingdom	WEL TWA (mg/m <sup>3</sup> )	10 mg/m <sup>3</sup>
DIPHENYL ETHER (101-84-8)		
United Kingdom	Local name	Diphenyl ether (vapour)
United Kingdom	WEL TWA (mg/m <sup>3</sup> )	7.1 mg/m <sup>3</sup>
United Kingdom	WEL TWA (ppm)	1 ppm

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### 8.2. Exposure controls

Appropriate engineering controls	: Ensure good ventilation of the work station.
Personal protective equipment	: In case of splash hazard: safety glasses.
Hand protection	: Protective gloves
Eye protection	: Chemical goggles or safety glasses
Skin and body protection	: Wear suitable protective clothing
Respiratory protection	: Not required for normal conditions of use



Environmental exposure controls : Avoid release to the environment.

## SECTION 9: Physical and chemical properties

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

Physical state	: Liquid
Colour	: Green.
Odour	: characteristic.
Odour threshold	: No data available
pH	: 8.1 - 8.6
Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: Not applicable
Freezing point	: No data available
Boiling point	: No data available
Flash point	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: 1.008 - 1.018
Solubility	: No data available
Log Pow	: No data available
Viscosity, kinematic	: 4 - 7 mm <sup>2</sup> /s
Viscosity, dynamic	: No data available
Explosive properties	: Product is not explosive.
Oxidising properties	: Oxidising liquids Not applicable.
Explosive limits	: No data available

### 9.2. Other information

Refractive index : 1.36 - 1.362

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

### 10.2. Chemical stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

### 10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7).

### 10.5. Incompatible materials

Acids. Oxidizing agent.

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### 10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity : Not classified

<b>1,2-Benzisothiazolin-3-one (2634-33-5)</b>	
LD50 oral	1020 mg/kg bodyweight
LD50 dermal	> 2000 mg/kg bodyweight
LC50 inhalation rat (Dust/Mist - mg/l/4h)	100 mg/m <sup>3</sup>
<b>Sodium dodecyl benzene sulphonate (25155-30-0)</b>	
LD50 oral	1086 mg/kg bodyweight
LD50 dermal	> 1000 mg/kg bodyweight
<b>Sulphonic Acid C14-16 Alkane hydroxy and C14-16 alkene; sodium salts (=Sodium C14-16 Olefin Sulphonate) (68439-57-6)</b>	
LD50 oral	578 mg/kg bodyweight
LD50 dermal	> 2000 mg/kg bodyweight
LC50 inhalation rat (Dust/Mist - mg/l/4h)	> 52000 mg/m <sup>3</sup>
<b>Diethanolamine (111-42-2)</b>	
LD50 oral	710 mg/kg bodyweight
LD50 dermal	12200 mg/kg bodyweight
<b>Coconut Diethanolamide (68603-42-9)</b>	
LD50 oral	> 10000 mg/kg bodyweight
LD50 dermal	> 10000 mg/kg bodyweight
<b>(L) ALPHA PINENE (80-56-8)</b>	
LD50 oral	3500 mg/kg bodyweight
LD50 dermal	> 5000 mg/kg bodyweight
<b>Camphor (76-22-2)</b>	
LD50 oral	1500 mg/kg bodyweight
LC50 inhalation rat (Dust/Mist - mg/l/4h)	1.5 mg/l/4h
<b>(L) CITRAL (5392-40-5)</b>	
LD50 oral	4950 mg/kg bodyweight
LD50 dermal	2250 mg/kg bodyweight
<b>CITRONELLAL (106-23-0)</b>	
LD50 oral	2500 mg/kg bodyweight
<b>CITRONELLOL (106-22-9)</b>	
LD50 oral	3450 mg/kg bodyweight
LD50 dermal	2650 mg/kg bodyweight
<b>Linalool (78-70-6)</b>	
LD50 oral	2780 mg/kg bodyweight
LD50 dermal	5610 mg/kg bodyweight
<b>PHENETHYL ALCOHOL (60-12-8)</b>	
LD50 oral	1610 mg/kg bodyweight
LD50 dermal	2500 mg/kg bodyweight
<b>(L) COUMARIN (91-64-5)</b>	
LD50 oral	500 mg/kg bodyweight
<b>DIPHENYL ETHER (101-84-8)</b>	
LD50 oral	2900 mg/kg bodyweight
<b>(L) EUGENOL (97-53-0)</b>	
LD50 oral	2300 mg/kg bodyweight
LD50 dermal	> 2000 mg/kg bodyweight
LC50 inhalation rat (Dust/Mist - mg/l/4h)	> 2580 mg/m <sup>3</sup>
<b>(L) GERANIOL (106-24-1)</b>	
LD50 oral	4200 mg/kg bodyweight
<b>METHYL-BETA NAPHTHYL ETHER (93-04-9)</b>	
LD50 oral	1736 mg/kg bodyweight

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<b>TERPINEOL (8000-41-7)</b>	
LD50 oral	4300 mg/kg bodyweight
LD50 dermal	> 2000 mg/kg bodyweight
LC50 inhalation rat (Dust/Mist - mg/l/4h)	> 4760 mg/m <sup>3</sup>
Skin corrosion/irritation	: Not classified pH: 8.1 - 8.6
Serious eye damage/irritation	: Causes serious eye irritation. pH: 8.1 - 8.6
Respiratory or skin sensitisation	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
Specific target organ toxicity (single exposure)	: Not classified
Specific target organ toxicity (repeated exposure)	: Not classified
Aspiration hazard	: Not classified

<b>ESSENTIAL ZIP WAX</b>	
Viscosity, kinematic	4 - 7 mm <sup>2</sup> /s

## SECTION 12: Ecological information

### 12.1. Toxicity

Ecology - general	: The product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment.
Ecology - water	: The product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment.

<b>1,2-Benzisothiazolin-3-one (2634-33-5)</b>	
LC50 fish 1	> 1.6 mg/l
EC50 other aquatic organisms 1	> 1.35 mg/l EC50 waterflea (48 h)
EC50 other aquatic organisms 2	> 0.07 mg/l IC50 algea (72 h) mg/l

<b>Sodium dodecyl benzene sulphonate (25155-30-0)</b>	
LC50 fish 1	6 mg/l
EC50 other aquatic organisms 1	6.9 mg/l EC50 waterflea (48 h)
EC50 other aquatic organisms 2	> 50 mg/l IC50 algea (72 h) mg/l

<b>Sulphonic Acid C14-16 Alkane hydroxy and C14-16 alkene; sodium salts (=Sodium C14-16 Olefin Sulphonate) (68439-57-6)</b>	
LC50 fish 1	> 1 mg/l
EC50 other aquatic organisms 1	> 1 mg/l
EC50 other aquatic organisms 2	IC50 algea (72 h) mg/l

<b>Diethanolamine (111-42-2)</b>	
LC50 fish 1	1460 mg/l
EC50 other aquatic organisms 1	55 mg/l EC50 waterflea (48 h)
EC50 other aquatic organisms 2	75 mg/l IC50 algea (72 h) mg/l

<b>Coconut Diethanolamide (68603-42-9)</b>	
LC50 fish 1	5.7 mg/l
EC50 other aquatic organisms 1	1.2 mg/l EC50 waterflea (48 h)
EC50 other aquatic organisms 2	5.6 mg/l IC50 algea (72 h) mg/l

<b>(L) ALPHA PINENE (80-56-8)</b>	
LC50 fish 1	0.28 mg/l
EC50 other aquatic organisms 1	1.44 mg/l
EC50 other aquatic organisms 2	IC50 algea (72 h) mg/l

<b>(L) CITRAL (5392-40-5)</b>	
LC50 fish 1	4.1 mg/l
EC50 other aquatic organisms 1	7 mg/l EC50 waterflea (48 h)
EC50 other aquatic organisms 2	5 mg/l IC50 algea (72 h) mg/l

<b>CITRONELLOL (106-22-9)</b>	
LC50 fish 1	10 mg/l
EC50 other aquatic organisms 1	17.48 mg/l EC50 waterflea (48 h)
EC50 other aquatic organisms 2	2.38 mg/l IC50 algea (72 h) mg/l

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<b>Linalool (78-70-6)</b>	
LC50 fish 1	27.8 mg/l
EC50 other aquatic organisms 1	20 mg/l EC50 waterflea (48 h)
EC50 other aquatic organisms 2	88.3 mg/l IC50 algea (72 h) mg/l
<b>(L) COUMARIN (91-64-5)</b>	
LC50 fish 1	56 mg/l
EC50 other aquatic organisms 1	13.5 mg/l
EC50 other aquatic organisms 2	IC50 algea (72 h) mg/l
<b>(L) EUGENOL (97-53-0)</b>	
LC50 fish 1	5.6 mg/l
EC50 other aquatic organisms 1	1.9 mg/l EC50 waterflea (48 h)
EC50 other aquatic organisms 2	15.4 mg/l IC50 algea (72 h) mg/l
<b>TERPINEOL (8000-41-7)</b>	
LC50 fish 1	62 mg/l
EC50 other aquatic organisms 1	73 mg/l EC50 waterflea (48 h)
EC50 other aquatic organisms 2	68 mg/l IC50 algea (72 h) mg/l

### 12.2. Persistence and degradability

<b>ESSENTIAL ZIP WAX</b>	
Persistence and degradability	Not established.

### 12.3. Bioaccumulative potential

<b>ESSENTIAL ZIP WAX</b>	
Bioaccumulative potential	Not established.

<b>1,2-Benzisothiazolin-3-one (2634-33-5)</b>	
Log Pow	0.64
<b>Sodium dodecyl benzene sulphonate (25155-30-0)</b>	
Log Pow	1.96
<b>Diethanolamine (111-42-2)</b>	
Log Pow	-1.71
<b>Glycerine (56-81-5)</b>	
Log Pow	-1.76
<b>Alcohols; C16-18; ethoxylated (approx. 20 EO) (68439-49-6)</b>	
Log Pow	7.92
<b>(L) ALPHA PINENE (80-56-8)</b>	
Log Pow	4.83
<b>(L) CITRAL (5392-40-5)</b>	
Log Pow	3.45
<b>CITRONELLOL (106-22-9)</b>	
Log Pow	3.91
<b>Linalool (78-70-6)</b>	
Log Pow	2.97
<b>(L) COUMARIN (91-64-5)</b>	
Log Pow	1.39
<b>(L) EUGENOL (97-53-0)</b>	
Log Pow	2.27
<b>TERPINEOL (8000-41-7)</b>	
Log Pow	3.33

### 12.4. Mobility in soil

<b>ESSENTIAL ZIP WAX</b>	
Ecology - soil	Not established.

### 12.5. Results of PBT and vPvB assessment

No additional information available

### 12.6. Other adverse effects

Other adverse effects : None known.  
Additional information : Avoid release to the environment



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### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

Regional legislation (waste)	: Disposal must be done according to official regulations.
Waste treatment methods	: Dispose of contents/container in accordance with licensed collector's sorting instructions.
Waste disposal recommendations	: Dispose of contents/container to a licensed hazardous-waste disposal contractor or collection site except for empty clean containers which can be disposed of as non-hazardous waste.

### SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

#### 14.1. UN number

Not regulated for transport

#### 14.2. UN proper shipping name

Proper Shipping Name (ADR)	: Not applicable
Proper Shipping Name (IMDG)	: Not applicable
Proper Shipping Name (IATA)	: Not applicable
Proper Shipping Name (ADN)	: Not applicable
Proper Shipping Name (RID)	: Not applicable

#### 14.3. Transport hazard class(es)

##### ADR

Transport hazard class(es) (ADR) : Not applicable

##### IMDG

Transport hazard class(es) (IMDG) : Not applicable

##### IATA

Transport hazard class(es) (IATA) : Not applicable

##### ADN

Transport hazard class(es) (ADN) : Not applicable

##### RID

Transport hazard class(es) (RID) : Not applicable

#### 14.4. Packing group

Packing group (ADR)	: Not applicable
Packing group (IMDG)	: Not applicable
Packing group (IATA)	: Not applicable
Packing group (ADN)	: Not applicable
Packing group (RID)	: Not applicable

#### 14.5. Environmental hazards

Dangerous for the environment	: No
Marine pollutant	: No
Other information	: No supplementary information available

#### 14.6. Special precautions for user

##### - Overland transport

No data available

##### - Transport by sea

No data available

##### - Air transport

No data available

##### - Inland waterway transport

Carriage prohibited (ADN)	: No
Not subject to ADN	: No

# ESSENTIAL ZIP WAX

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according to Regulation (EC) No. 453/2010

### - Rail transport

Carriage prohibited (RID) : No

### 14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

## SECTION 15: Regulatory information

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

#### 15.1.1. EU-Regulations

Contains no REACH substances with Annex XVII restrictions

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

Detergent Regulation : Ingredient data sheet:

Component	CAS No	%
AQUA	7732-18-5	>=10%
AMMONIUM SULFATE	7783-20-2	1 - 10%
SODIUM C14-16 OLEFIN SULFONATE	68439-57-6	1 - 10%
SODIUM DODECYLBENZENESULFONATE	25155-30-0	1 - 10%
COCAMIDE DEA	68603-42-9	1 - 10%
GLYCERIN	56-81-5	0.1 - 1%
ACRYLIC STYRENE COPOLYMER		<0.1%
TENACID YELLOW 2G		<0.1%
DIETHANOLAMINE	111-42-2	<0.1%
CI Acid Blue 9	3488-45-9	<0.1%
Ester of Montanic Acid,a wax acid mixture approx C24-C34		<0.1%
CARNAUBA WAX		<0.1%
PHENETHYL ALCOHOL	60-12-8	<0.1%
TERPINEOL	8000-41-7	<0.1%
TERPINEOL ACETATE	8007-35-0	<0.1%
Pyrithione Zinc	13463-41-7	<0.1%
2-methylisothiazol-3(2H)-one	2682-20-4	<0.1%
HEXAMETHYLINDANOPYRAN	1222-05-5	<0.1%
(L) LIMONENE	5989-27-5	<0.1%
DIPHENYL ETHER	101-84-8	<0.1%
METHYL-BETA NAPHTHYL ETHER	93-04-9	<0.1%
BENZISOTHIAZOLINONE	2634-33-5	<0.1%
ALPHA CEDRENE	469-61-4	<0.1%
CITRONELLAL	106-23-0	<0.1%
CETEARETH-2	68439-49-6	<0.1%
Ethoxylated oleyl alcohol	9004-98-2	<0.1%
Tributylphenol polyglycol ether 1 - 7 EO	9046-09-7	<0.1%
ALPHA-PINENES	80-56-8	<0.1%
Camphor	76-22-2	<0.1%
METHYL IONONE	1335-46-2	<0.1%
AMYL SALICYLATE	2050-08-0	<0.1%
CAMPHENE	79-92-5	<0.1%
BETA-IONONE	14901-07-6	<0.1%

Detergent Regulation : Labelling of contents:

Component	%
anionic surfactants, non-ionic surfactants	<5%
BENZISOTHIAZOLINONE	
Parfum	

#### 15.1.2. National regulations

No additional information available

### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out

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### SECTION 16: Other information

Full text of H- and EUH-statements:

Acute Tox. 3 (Inhalation:dust,mist)	Acute toxicity (inhalation:dust,mist) Category 3
Acute Tox. 4 (Inhalation:dust,mist)	Acute toxicity (inhalation:dust,mist) Category 4
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Aquatic Acute 1	Hazardous to the aquatic environment — Acute Hazard, Category 1
Aquatic Chronic 1	Hazardous to the aquatic environment — Chronic Hazard, Category 1
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
Asp. Tox. 1	Aspiration hazard, Category 1
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Flam. Liq. 2	Flammable liquids, Category 2
Flam. Liq. 3	Flammable liquids, Category 3
Skin Corr. 1B	Skin corrosion/irritation, Category 1B
Skin Irrit. 2	Skin corrosion/irritation, Category 2
Skin Sens. 1	Sensitisation — Skin, category 1
Skin Sens. 1B	Sensitisation — Skin, category 1B
STOT RE 2	Specific target organ toxicity — Repeated exposure, Category 2
STOT SE 2	Specific target organ toxicity — Single exposure, Category 2
H225	Highly flammable liquid and vapour
H226	Flammable liquid and vapour
H302	Harmful if swallowed
H304	May be fatal if swallowed and enters airways
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
H331	Toxic if inhaled
H332	Harmful if inhaled
H371	May cause damage to organs
H373	May cause damage to organs through prolonged or repeated exposure
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

SDS EU TURTLEWAX

*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*