

Safety data sheet

Issue date: 13-02-2015

Version: 01.00/EU-UK

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

1.1. Product identifier

Trade name: Ecoz Linen

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

Recommended uses: Water soluble odour neutraliser concentrate

1.3. Details of the supplier of the safety data sheet

Supplier: Vaportek Europe Ltd
Sterlings
Lawford House, Albert Place N3 1QA, London
UK
Tel: +41 22 342 2145
Email: vaportek@gmail.com

1.4. Emergency telephone number

Emergency telephone number: +41 223 422 145
Emergency telephone comments: The emergency telephone is open between 8 a.m. and 4 p.m. on workdays.

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

DPD-classification (Directive 1999/45/EC): N;R51/53

CLP-classification (Regulation (EC) No 1272/2008): Aquatic Chronic 2; H411 Eye Irrit. 2; H319

Please see section 16 for the full text of R-phrases and H-phrases.

Most serious harmful effects: Toxic to aquatic life with long lasting effects. Causes serious eye irritation. Persons with a known allergy to Alpha-Hexylcinnamaldehyde, 2-(4-tert-butylbenzyl)propionaldehyde, methyl 2-[(7-hydroxy-3,7-dimethyl-1-octylidene)amino]benzoate, 4-tert-butylcyclohexyl acetate, Benzoic acid, Coumaric Acid 4-(4-hydroxy-4-methylpentyl)cyclohex-3-enecarbaldehyde, [3R-(3alpha,3abeta,7beta,8alpha)]-1-(2,3,4,7,8,8a-hexahydro-3,6,8,8-tetramethyl-1H-3a,7-methanoazulen-5-yl)ethan-1-one, may exhibit an allergic response to the product.

Ecoz Linen is always used diluted. A 10% dilution rate is sufficient for the final product to no longer be classified as irritant and environmentally damaging.

2.2. Label elements



Signal word:



Warning

H-phrases:

Toxic to aquatic life with long lasting effects.(H411)
Causes serious eye irritation.(H319)

P-phrases:

Wear protective gloves/eye protection/face protection.(P280-høa)
Avoid release to the environment.(P273)

Supplemental information: Contains Alpha-Hexylcinnamaldehyde, 2-(4-tert-butylbenzyl)propionaldehyde, methyl 2-[(7-hydroxy-3,7-dimethyloctylidene)amino]benzoate, 4-tert-butylcyclohexyl acetate, Benzoic acid, Coumaric Acid 4-(4-hydroxy-4-methylpentyl)cyclohex-3-enecarbaldehyde, [3R-(3alpha,3abeta,7beta,8aalp ha)]-1-(2,3,4,7,8,8a-hexahydro-3,6,8,8-tetramethyl-1H-3a,7-methanoazulen-5-yl)ethan-1-one, May produce an allergic reaction.

2.3. Other hazards

Assessment to determine PBT and vPvB has not been made.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Registration number	CAS/ EC No.	Substance	DSD-classification (Directive 67/548/EEC)/ CLP-classification (Regulation (EC) No 1272/2008)	w/w%	Note
.	68987-81-5	Ethoxylated alcohol C6-C10, ethoxylated propoxylated	Xi;R36 N;R51/53	<20	.
.	101-86-0-C	Alpha-Hexylcinnamaldehyd	Eye Irrit. 2;H319 Aquatic Chronic 2;H411	.	.
.	202-983-3	.	Xi;R38 R43	<1	.
.	80-54-6-C	2-(4-tert-butylbenzyl)propionaldehyde	Skin Irrit. 2; H315 Skin Sens. 1B; H317	.	.
.	201-289-8	.	Xn;R22 Xi;R38 R43 N;R51/53 Rep 2; R62	<1	.
.	.	.	Acute Tox. 4; H302 Skin Irrit. 2	.	.
.	.	.	;H315 Skin Sens. 1B; H317 Aquatic Chronic 2	.	.
.	.	.	; H411 Repr. 2; H361f	.	.
.	89-43-0-A	methyl 2-[(7-hydroxy-3,7-dimethyloctylidene)amino]benzoate	Xi;R36 R43	<1	.
.	201-908-1	.	Eye Irrit. 2;H319 Skin Sens. 1;H317	.	.
.	1506-02-1-B	1-(5,6,7,8-tetrahydro-3,5,5,6,8,8-hexamethyl-2-naphthyl)ethan-1-one	Xn;R22 R50/53	<1	.
.	216-133-4	.	Acute Tox. 4;H302 Aquatic Acute 1	.	.
.	.	.	;H400 Aquatic Chronic 1;H410	.	.
.	1222-05-5	1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran	N;R50/53	<1	.
.	214-946-9	.	Aquatic Acute 1;H400 Aquatic Chronic 1;H410	.	.
.
.	120-51-4	benzyl benzoate	Xn;R22 N;R51/53	<1	.
.	204-402-9	.	Acute Tox. 4;H302 Aquatic Chronic 2;H411	.	.
.	91-64-5-A	Coumaric acid	Xn;R22 R43	<1	.
.	202-086-7	.	Acute Tox. 3;H301 Skin Sens. 1; H317	.	.
.	32210-23-4	4-tert-butylcyclohexyl acetate	R43	<1	.
.	250-954-9	.	Skin Sens. 1B;H317	.	.
.	118-58-1	Benzoic acid	R43 N;R50/53	<1	.
.	204-262-9	.	Skin Sens. 1;H317 Aquatic Chronic 1;H410	.	.
.	31906-04-4	4-(4-hydroxy-4-methylpentyl)cyclohex-3-enecarbaldehyde	R43	<1	.
.	250-863-4	.	Skin Sens. 1; H317	.	.
.	32388-55-9	[3R-(3alpha,3abeta,7beta,8aalp ha)]-1-(2,3,4,7,8,8a-hexahydro-3,6,8,8-tetramethyl-1H-3a,7-methanoazulen-5-yl)ethan-1-one	R43 N;R50/53	<1	.
.	251-020-3	.	Skin Sens. 1;H317 Aquatic Chronic 1; H400	.	.
.
.

Please see section 16 for the full text of R-phrases and H-phrases.

Other information: Any letters after the CAS number refer to individual data sets.

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation: Seek fresh air. Seek medical advice in case of persistent discomfort.

Ingestion: Wash out mouth thoroughly and drink 1-2 glasses of water in small sips. Seek medical advice in case of persistent discomfort.

Skin: Remove contaminated clothing. Wash the skin thoroughly with water and continue washing for a long time. Seek medical advice in case of persistent discomfort.

Eyes: Flush immediately with water (preferably using eye wash equipment) for at least 5 minutes. Open eye wide. Remove any contact lenses. Seek medical advice.

Other information: When obtaining medical advice, show the safety data sheet or label.

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

Irritating to eyes. Causes a burning sensation and tearing. Persons with a known allergy to Alpha-Hexylcinnamaldehyde, 2-(4-tert-butylbenzyl)propionaldehyde, methyl 2-[(7-hydroxy-3,7-dimethyloctylidene)amino]benzoate, 4-tert-butylcyclohexyl acetate, Benzoic acid, Coumaric Acid 4-(4-hydroxy-4-methylpentyl)cyclohex-3-enecarbaldehyde,

[3R-(3alpha,3abeta,7beta,8aalpha)]-1-(2,3,4,7,8,8a-hexahydro-3,6,8,8-tetramethyl-1H-3a,7-met hanoazulen-5-ol)ethan-1-one, may exhibit an allergic response to the product.

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

Treat symptoms. No special immediate treatment required.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media The product is not directly flammable. Choose extinguishing agents based on the surrounding fire.

Unsuitable extinguishing media Do not use water stream, as it may spread the fire.

5.2. Special hazards arising from the substance or mixture

The product is not directly flammable. Avoid inhalation of vapour and fumes – seek fresh air.

5.3. Advice for firefighters

Move containers from danger area if it can be done without risk. Avoid inhalation of vapour and flue gases – seek fresh air. Wear Self-Contained Breathing Apparatus (SCBA) with a chemical protection suit only where personal (close) contact is likely.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

For non-emergency personnel: Stay upwind/keep distance from source. Stop leak if this can be done without risk. Wear gloves. Wear safety goggles/face protection. Keep unnecessary personnel away.

For emergency responders: In addition to the above: Protective suit equivalent to EN 368, type 3, is recommended.

6.2. Environmental precautions

Do not discharge large quantities of concentrated spills and residue into drains.

6.3. Methods and material for containment and cleaning up

Contain and absorb spill with sand or other absorbent material and transfer to suitable waste containers. Wipe up minor spills with a cloth.

6.4. Reference to other sections

See section 8 for type of protective equipment. See section 13 for instructions on disposal.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Use the product under well-ventilated conditions. Running water and eye wash equipment must be available. Wash hands before breaks, before using restroom facilities, and at the end of work.

7.2. Conditions for safe storage, including any incompatibilities

Store safely, out of reach of children and away from food, animal feeding stuffs, medicines, etc.

7.3. Specific end use(s)

None.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Legal basis: Commission Directive 2000/39/EC (Occupational Exposure Limits). Last amended by Commission Directive 2009/161/EU.

Contains no substances subject to reporting requirements.

8.2. Exposure controls

Appropriate engineering controls: Wear the personal protective equipment specified below.

Personal protective equipment, eye/face protection: Wear safety goggles/face protection. Eye protection must conform to EN 166.

Personal protective equipment, skin protection: Wear gloves. Type of material: Rubber. Plastic. Breakthrough time has not been determined for the product. Change gloves often. Gloves must conform to EN 374.

Personal protective equipment, respiratory protection: Not required.

Environmental exposure controls: Ensure compliance with local regulations for emissions.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

State:	Liquid
Colour:	Yellowish
Odour:	Spicy
Odour threshold:	No data
pH (solution for use):	No data
pH (concentrate):	No data
Melting point/freezing point:	No data
Initial boiling point and boiling range:	No data
Flash point:	No data
Evaporation rate:	No data
Flammability (solid, gas):	No data
Upper/lower flammability limits:	No data
Upper/lower explosive limits:	No data
Vapour pressure:	No data
Vapour density:	Relative density, vapour: >1 (air=1)
Relative density:	No data
Solubility:	No data
Partition coefficient n-octanol/water:	No data
Auto-ignition temperature:	No data
Decomposition temperature:	No data
Viscosity:	No data
Explosive properties:	No data
Oxidising properties:	No data

9.2. Other information

None.

SECTION 10: Stability and reactivity

10.1. Reactivity

Not reactive.

10.2. Chemical stability

The product is stable when used in accordance with the supplier's directions.

10.3. Possibility of hazardous reactions

None known.

10.4. Conditions to avoid

None known.

10.5. Incompatible materials

None known.

10.6. Hazardous decomposition products

None known.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity - oral:	The product does not have to be classified. Based on existing data, the classification criteria are deemed not to have been met. 68987-81-5-A: Rat: LD50 = 2380-2745 mg/kg 91-64-5-A: Rat: LD50 = 293 mg/kg
Acute toxicity - dermal:	The product does not have to be classified. Based on existing data, the classification criteria are deemed not to have been met. 68987-81-5-A: Rabbit: LD50 = >2000 mg/kg
Acute toxicity - inhalation:	The product does not have to be classified. Based on existing data, the classification criteria are deemed not to have been met. 68987-81-5-A: Rat, , 4h: LC50 = >50 mg/l
Skin corrosion/irritation:	May irritate the skin – may cause reddening. The product does not have to be classified. Test data are not available.

Serious eye damage/eye irritation:	Irritating to eyes. Causes a burning sensation and tearing.
Respiratory sensitisation or skin sensitisation:	Persons with a known allergy to Alpha-Hexylcinnamaldehyde, 2-(4-tert-butylbenzyl)propionaldehyde, methyl 2-[(7-hydroxy-3,7-dimethyl-octylidene)amino]benzoate, 4-tert-butylcyclohexyl acetate, Benzoic acid, Coumaric Acid 4-(4-hydroxy-4-methylpentyl)cyclohex-3-enecarbaldehyde, [3R-(3alpha,3abeta,7beta,8aalpha)]-1-(2,3,4,7,8,8a-hexahydro-3,6,8,8-tetramethyl-1H-3a,7-methanoazulen-5-ol)ethan-1-one, may exhibit an allergic response to the product.
Germ cell mutagenicity:	The product does not have to be classified. Test data are not available.
Carcinogenic properties:	The product does not have to be classified. Test data are not available.
Reproductive toxicity:	The product does not have to be classified. Test data are not available.
Single STOT exposure:	The product does not have to be classified. Test data are not available.
Repeated STOT exposure:	The product does not have to be classified. Test data are not available.
Aspiration hazard:	The product does not have to be classified. Test data are not available.
Other toxicological effects:	None known.

SECTION 12: Ecological information

12.1. Toxicity

Toxic to aquatic life with long lasting effects.

Acute toxicity:

68987-81-5-A:

Fish: Pimephales promelas: 96hLC50 = 1-10 mg/kg

Crustacea: Name of species not specified: 48hEC50 = 1-10 mg/kg

12.2. Persistence and degradability

Test data are not available.

12.3. Bioaccumulative potential

Test data are not available.

12.4. Mobility in soil

Test data are not available.

12.5. Results of PBT and vPvB assessment

No assessment has been made.

12.6. Other adverse effects

None known.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Avoid discharge to drain or surface water. Collect spills and waste in closed, leak-proof containers for disposal at the local hazardous waste site.

EWC code: Depends on line of business and use, for instance 16 03 05 organic wastes containing dangerous substances

Wiping cloths with organic solvents:

EWC code: 15 02 02 Absorbents, filter materials (including oil filters not otherwise specified), wiping cloths, protective clothing contaminated by dangerous substances

Empty, cleansed packaging should be disposed of for recycling.

SECTION 14: Transport information

ADR/RID

14.1. UN number	3082
14.2. UN proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Ethoxylated alcohol C6-C10, ethoxylated propoxylated)
14.3. Transport hazard class(es)	9
14.4. Packing group	III
Hazard identification number	90
Tunnel restriction code:	E
14.5. Environmental hazards	The product must be labelled as an environmental hazard (symbol: fish and tree) in packaging sizes of more than 5 kg/l.
Supplemental information:	Ecoz Linen can be shipped In accordance with chapter 3.4 of the the transport regulation. As a consequence the product can be sent as limited quantities.
ADN	
14.1. UN number	3082
14.2. UN proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Ethoxylated alcohol C6-C10, ethoxylated propoxylated)
14.3. Transport hazard class(es)	9
14.4. Packing group	III
14.5. Environmental hazards	The product must be labelled as an environmental hazard (symbol: fish and tree) in packaging sizes of more than 5 kg/l.
Transport in tank vessels:	-
Supplemental information:	Ecoz Linen can be shipped In accordance with chapter 3.4 of the the transport regulation. As a consequence the product can be sent as limited quantities.
IMDG	
14.1. UN number	3082
14.2. UN proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Ethoxylated alcohol C6-C10, ethoxylated propoxylated)
14.3. Transport hazard class(es)	9
14.4. Packing group	III
14.5. Environmental hazards	The product must be labelled as a Marine Pollutant (MP) in packaging sizes of more than 5 kg/l.
IMDG Code segregation group:	-
Supplemental information:	Ecoz Linen can be shipped In accordance with chapter 3.4 of the the transport regulation. As a consequence the product can be sent as limited quantities.
ICAO/IATA	
14.1. UN number	3082
14.2. UN proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Ethoxylated alcohol C6-C10, ethoxylated propoxylated)
14.3. Transport hazard class(es)	9
14.4. Packing group	III
14.5. Environmental hazards	The product must be labelled as an environmental hazard (symbol: fish and tree) in packaging sizes of more than 5 kg/l.
Supplemental information:	Ecoz Linen can be shipped In accordance with chapter 2.7 of the the transport regulation. As a consequence the product can be sent as limited quantities.
14.6. Special precautions for user	None.
14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not applicable.

SECTION 15: Regulatory information

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

Special provisions: Directive 2012/18/EU (Seveso), E2 Hazardous to the Aquatic Environment in Category Chronic 2: Column 2: 200 t, Column 3: 500 t.

There are no restrictions according to the REACH appendix XVII
The product contains no substances comprised by Regulation 1907/2006/EC, Article 59 (SVHC)

15.2. Chemical safety assessment

Chemical safety assessment has not been performed.

SECTION 16: Other information

Abbreviation explanations: PBT: Persistent, Bioaccumulative and Toxic
vPvB: Very Persistent and Very Bioaccumulative
STOT: Specific Target Organ Toxicity

Classification method: Calculation based on the hazards of the known components.

R-phrases: R22 Harmful if swallowed.
R36 Irritating to eyes.
R38 Irritating to skin.
R43 May cause sensitisation by skin contact.
R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R62 Possible risk of impaired fertility.

H-phrases: H301 Toxic if swallowed.
H302 Harmful if swallowed.
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H319 Causes serious eye irritation.
H361f Suspected of damaging fertility.
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.

Training: A thorough knowledge of this safety data sheet should be a prerequisite condition.

Other information: This safety data sheet has been prepared for and applies to this product only. It is based on our current knowledge and the information that the supplier was able to provide about the product at the time of preparation. The safety data sheet complies with applicable law on preparation of safety data sheets in accordance with 1907/2006/EC (REACH) as subsequently changed.

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