

SAFETY DATA SHEET

In accordance with REACH Regulation EC No.1907/2006

Product: Citrus & Amber Fragrance Essence

Version: 7

Section 1. Identification of the substance or the mixture and of the supplier

1.1 Product Identifier

Product identifier: Citrus & Amber Fragrance Essence (Contains:LIMONENE, LINALOOL, LINALYL ACETATE, TETRAMETHYL

Other identifiers: ACETYLOCTAHYDRONAPHTHALENES) None

Unique Formula Identifier (UFI): FDM2-500U-7008-50UQ

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

Product uses: Fragrances

1.3 Details of the supplier of the safety data sheet

Company name: Ecoflores
Company address: Ul.Waksmundzka 34
34-400 Nowy Targ

Contact: kontakt@ecoflores.eu
E-Mail address: www.ecoflores.eu
Company phone: +48 604508229

1.4 Emergency telephone number

Emergency phone: 112

Section 2. Hazards identification

2.1 Classification of the substance or mixture

Classification under Regulation (EC) No 1272/2008

Class and category of danger: Skin Corrosion / Irritation Category 2
Eye Damage / Irritation Category 2
Sensitization - Skin Category 1
Aspiration Hazard Category 1
Hazardous to the Aquatic Environment - Long-term Hazard Category 1
H304, May be fatal if swallowed and enters airways.
H315, Causes skin irritation.
H317, May cause an allergic skin reaction.
H319, Causes serious eye irritation.
H410, Very toxic to aquatic life with long lasting effects.

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2.2 Label elements

Classification under Regulation (EC) No 1272/2008

Signal word: Danger

Hazard statements: H304, May be fatal if swallowed and enters airways.
H315, Causes skin irritation.
H317, May cause an allergic skin reaction.
H319, Causes serious eye irritation.
H410, Very toxic to aquatic life with long lasting effects.

Supplemental Information: EUH208, Contains (E)-1-(2,6,6-TRIMETHYL-1,3-CYCLOHEXADIEN-1-YL)-2-BUTEN-1-ONE, (ETHOXYMETHYL)CYCLODODECANE, 2,2,6-TRIMETHYL-a-PROPYLCYCLOHEXANEPROPANOL, 2,4-DIMETHYL-3-CYCLOHEXENE CARBOXALDEHYDE, 3-(2H-1,3-BENZODIOXOL-5-YL)-2-METHYLPROPANAL, ALPHA-PINENES, ALPHA-ZINGIBERENE, BENZYL SALICYLATE, BETA-CARYOPHYLLENE, BETA-PINENES, CITRAL, CITRONELLOL, COUMARIN, DIHYDRO PENTAMETHYLINDANONE (DPMI), EUCALYPTOL, EUGENOL, GERANIAL, HYDROXYCITRONELLAL, METHYL 2,6,10-TRIMETHYLCYCLODODECA-2,5,9-TRIENYL KETONE, REACTION MASS OF BENZENEPROPANAL, 4-ETHYL-A,A-DIMETHYL- AND 3-(2-ETHYLPHENYL)-2,2-DIMETHYLPROPANAL, TETRAMETHYLTRICYCLOPROPANOL. May produce an allergic reaction.

Precautionary statements: P261, Avoid breathing vapour or dust.
P264, Wash hands and other contacted skin thoroughly after handling.
P272, Contaminated work clothing should not be allowed out of the workplace.
P273, Avoid release to the environment.
P280, Wear protective gloves/eye protection/face protection.
P301/310, IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
P302/352, IF ON SKIN: Wash with plenty of soap and water.
P305/351/338, IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P331, Do not induce vomiting.
P333/313, If skin irritation or rash occurs: Get medical advice/attention.
P337/313, If eye irritation persists: Get medical advice/attention.
P362, Take off contaminated clothing and wash before reuse.
P391, Collect spillage.
P405, Store locked up.
P501, Dispose of contents/container to approved disposal site, in accordance with local regulations.

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Pictograms:



2.3 Other hazards

Other hazards:

Sensitisers declared on a CLP
Hazard Label:

(E)-1-(2,6,6-TRIMETHYL-1,3-CYCLOHEXADIEN-1-YL)-2-BUTEN-1-ONE, (ETHOXYMETHYL)CYCLODODECANE, 2,2,6-TRIMETHYL- α -PROPYLCYCLOHEXANEPROPANOL, 2,4-DIMETHYL-3-CYCLOHEXENE CARBOXALDEHYDE, 3-(2H-1,3-BENZODIOXOL-5-YL)-2-METHYLPROPANAL, ALPHA-PINENES, ALPHA-ZINGIBERENE, BENZYL SALICYLATE, BETA-CARYOPHYLLENE, BETA-PINENES, CITRAL, CITRONELLOL, COUMARIN, DIHYDRO PENTAMETHYLINDANONE (DPMI), EUCALYPTOL, EUGENOL, GERANIAL, HYDROXYCITRONELLAL, METHYL 2,6,10-TRIMETHYLCYCLODODECA-2,5,9-TRIENYL KETONE, REACTION MASS OF BENZENEPROPANAL, 4-ETHYL-A,A-DIMETHYL- AND 3-(2-ETHYLPHENYL)-2,2-DIMETHYLPROPANAL, TETRAMETHYLTRICYCLOPROPANOL

Hydrocarbon Concentration %: 10.864%

Section 3. Composition / information on ingredients

3.2 Mixtures

Contains:

Name	CAS	EC	REACH Registration No.	%	Classification for (CLP) 1272/2008	Specific Conc. Limits, M-factors and ATEs
TETRAMETHYL ACETYLOCTAHYDRON APHTHALENES	54464-57-2, 54464-59-4, 68155-66-8, 68155-67-9	259-174-3, 259-175-9, 268-978-3, 268-979-9, 915-730-3	01-2119489989-04-xxxx	10-<20%	SCI 2-SS 1B-EH C1; H315-H317-H410,-	
2,6-DIMETHYL-7-OCTEN-2-OL	18479-58-8	242-362-4		10-<20%	SCI 2-EDI 2-STO-SE 3 (NE);H315-H319-H336,-	oral: ATE = 3020 mg/kg bw
LIMONENE	5989-27-5	227-813-5		5-<10%	FL 3-SCI 2-SS 1B-AH 1-EH A1-EH C3;H226-H304-H315-H317-H400-H412,-	
CIS-2-TERT-BUTYLCYCLOHEXYL ACETATE	20298-69-5	243-718-1	01-2119970713-33-xxxx	5-<10%	EH C2;H411,-	oral: ATE = 4600 mg/kg bw
LINALYL ACETATE	115-95-7	204-116-4	01-2119454789-19-xxxx	5-<10%	SCI 2-EDI 2-SS 1B; H315-H317-H319,-	

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1,3,4,6,7,8- HEXAHYDRO- 4,6,6,7,8,8- HEXAMETHYLINDENO [5,6-C]PYRAN	1222-05-5	214-946-9	01-2119488227-29-xxxx	5-<10%	EH A1-EH C1;H410,-	
LINALOOL	78-70-6	201-134-4	01-2119474016-42-xxxx	5-<10%	SCI 2-EDI 2-SS 1B; H315-H317-H319,-	oral: ATE = 2790 mg/kg bw
BENZYL SALICYLATE	118-58-1	204-262-9		1-<5%	SS 1B-EH C3;H317- H412,-	oral: ATE = 2200 mg/kg bw
HYDROXYCITRONELL AL	107-75-5	203-518-7		1-<5%	EDI 2-SS 1B;H317- H319,-	
DIHYDRO PENTAMETHYLINDAN ONE (DPMI)	33704-61-9	251-649-3		1-<5%	SCI 2-EDI 2-SS 1B-EH C2;H315-H317-H319- H411,-	oral: ATE = 2900 mg/kg bw
3-(2H-1,3- BENZODIOXOL-5-YL) -2-METHYLPROPANAL	1205-17-0	214-881-6	01-2120740119-58-xxxx	1-<5%	SS 1B-REP 2-EH C2; H317-H361-H411,-	oral: ATE = 3562 mg/kg bw
EUGENOL	97-53-0	202-589-1		1-<5%	EDI 2-SS 1B;H317- H319,-	oral: ATE = 2500 mg/kg bw
COUMARIN	91-64-5	202-086-7		1-<5%	ATO 4-SS 1B-EH C3; H302-H317-H412,-	oral: ATE = 500 mg/kg bw
CITRAL	5392-40-5	226-394-6	01-2119462829-23-xxxx	1-<5%	SCI 2-EDI 2-SS 1; H315-H317-H319,-	
DIMETHYL-4- ISOHEPTENAL DIMETHYL ACETAL	67674-46-8	266-885-2	01-2120741268-52-xxxx	1-<5%	SCI 2-EH C3;H315- H412,-	
VANILLIN	121-33-5	204-465-2		1-<5%	EDI 2;H319,-	dermal: ATE = 2600 mg/kg bw-oral: ATE = 3300 mg/kg bw
EUCALYPTOL	470-82-6	207-431-5		0.1-<1%	FL 3-SS 1B;H226- H317,-	oral: ATE = 2480 mg/kg bw
METHYL 2,6,10- TRIMETHYLCYCLODO DECA-2,5,9-TRIENYL KETONE	28371-99-5, 144020-22-4	248-995-2		0.1-<1%	SS 1B-EH A1-EH C1; H317-H410,-	
BETA-PINENES	127-91-3	204-872-5		0.1-<1%	FL 3-SCI 2-SS 1B-AH 1-EH A1-EH C1;H226- H304-H315-H317- H410,-	
(ETHOXYMETHYL) CYCLODODECANE	58567-11-6	261-332-1		0.1-<1%	SCI 2-SS 1B-EH C2; H315-H317-H411,-	
GAMMA-TERPINENE	99-85-4	202-794-6		0.1-<1%	FL 3-REP 2-AH 1-EH C2;H226-H304-H361- H411,-	oral: ATE = 3650 mg/kg bw
CITRONELLOL	106-22-9, 1117-61-9, 26489-01-0, 6812-78-8, 141-25-3, 7540-51-4	203-375-0, 214-250-5, 247-737-6, 229-887-4, 205-473-9, 231-415-7	01-2119453995-23-xxxx	0.1-<1%	SCI 2-EDI 2-SS 1B; H315-H317-H319,-	dermal: ATE = 2650 mg/kg bw-oral: ATE = 3450 mg/kg bw
REACTION MASS OF ALLYL (2- METHYLBUTOXY) ACETATE & ALLYL (3- METHOXYBUTOXY) ACETATE	67634-00-8, 67634-01-9	266-803-5, 266-804-0, 916-328-0		0.1-<1%	ATO 4-ATD 4-ATI 2-EH A1;H302-H312-H330- H400,-	inhalation: ATE = 0.46 mg/l (dusts or mists)- dermal: ATE = 1100 mg/kg bw-oral: ATE = 500 mg/kg bw
TETRAMETHYLTRICY CLOPROPANOL	929625-08-1, 1001252-30- 7	482-030-8		0.1-<1%	SCI 2-SS 1-EH A1-EH C1;H315-H317-H410,-	
2,2,6-TRIMETHYL-a- PROPYLCYCLOHEXAN EPROPANOL	70788-30-6	942-426-8		0.1-<1%	SS 1B;H317,-	

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TRIMETHYLCYCLOPENTENYL DIMETHYLISOPENTENOL	107898-54-4	411-580-3		0.1-<1%	SCI 2-EH A1-EH C1; H315-H410,-	
ALPHA-CEDRENE	469-61-4	207-418-4		0.1-<1%	SCI 2-AH 1-EH A1-EH C1;H304-H315-H410,-	M = 10-M = 10
ANISALDEHYDE	123-11-5	204-602-6		0.1-<1%	REP 2-EH C3;H361- H412,-	oral: ATE = 3210 mg/kg bw
4-METHYL-3-DECEN-5- OL	81782-77-6	279-815-0	01-2119983528-21-xxxx	0.1-<1%	EH A1-EH C2;H400- H411,-	
MYRCENE	123-35-3	204-622-5		0.1-<1%	FL 3-SCI 2-EDI 2-AH 1-EH A1-EH C2;H226- H304-H315-H319- H400-H411,-	
REACTION MASS OF BENZENEPROPANAL, 4-ETHYL-A,A- DIMETHYL- AND 3-(2- ETHYLPHENYL)-2,2- DIMETHYLPROPANAL	67634-14-4, 67634-15-5	266-818-7, 266-819-2, 916-329-6	01-2120758796-34-xxxx	0.1-<1%	SCI 2-SS 1B-EH A1- EH C2;H315-H317- H400-H411,-	
METHYL BENZODIOXEPINONE	28940-11-6	249-320-4		0.1-<1%	SCI 1B-EDI 1-STO-SE 3(NE);H314-H336,-	
2,4-DIMETHYL-3- CYCLOHEXENE CARBOXALDEHYDE	68039-49-6	268-264-1		0.1-<1%	SCI 2-SS 1B-EH C2; H315-H317-H411,-	oral: ATE = 2330 mg/kg bw
ALPHA-PINENES	80-56-8	201-291-9		0.1-<1%	FL 3-ATO 4-SCI 2-SS 1B-AH 1-EH A1-EH C1;H226-H302-H304- H315-H317-H410,-	oral: ATE = 500 mg/kg bw
BETA- CARYOPHYLLENE	87-44-5	201-746-1		0.1-<1%	SS 1B-AH 1;H304- H317,-	
GERANIAL	141-27-5	205-476-5		0.1-<1%	SCI 2-EDI 2-SS 1B; H315-H317-H319,-	
ALPHA-ZINGIBERENE	495-60-3			0.1-<1%	SS 1B;H317,-	
ACETYL HEXAMETHYL TETRALIN (AHTN)	21145-77-7, 1506-02-1	244-240-6, 216-133-4		0.1-<1%	ATO 4-EH A1-EH C1; H302-H410,-	oral: ATE = 1000 mg/kg bw
ALLYL CYCLOHEXYLOXYACE TATE	68901-15-5	272-657-3		0.1-<1%	ATO 4-EH A1-EH C1; H302-H410,-	oral: ATE = 682 mg/kg bw
BETA CEDRENE	546-28-1	208-898-8		<0.1%	AH 1-EH A1-EH C1; H304-H410,-	M = 10-M = 10
(E)-1-(2,6,6- TRIMETHYL-1,3- CYCLOHEXADIEN-1- YL)-2-BUTEN-1-ONE	23726-93-4	245-844-2	01-2120105798-49-xxxx	<0.1%	ATI 4-SCI 2-SS 1A-EH C2;H315-H317-H332- H411,-	inhalation: ATE = 2.93 mg/l (dusts or mists)

Substances with Community workplace exposure limits:

Name	CAS	EC	REACH Registration No.	%	Classification for (CLP) 1272/2008	Specific Conc. Limits, M-factors and ATEs
DIETHYL PHTHALATE	84-66-2	201-550-6	01-2119486682-27-xxxx	1-<5%	-;-,-	

Substances that are endocrine disruptors according to Regulation (EU) 2017/2100 or Regulation (EU) 2018/605, greater than 0.1%:

Not Applicable

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Substances that are persistent, bioaccumulative and toxic or very persistent and very bioaccumulative, greater than 0.1%:

Not Applicable

Section 4. First-aid measures

4.1 Description of first aid measures

Inhalation: Remove from exposure site to fresh air, keep at rest, and obtain medical attention.

Eye exposure: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Skin exposure: IF ON SKIN: Wash with plenty of soap and water.

Ingestion: IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.

4.2 Most important symptoms and effects, both acute and delayed

May be fatal if swallowed and enters airways.

Causes skin irritation.

May cause an allergic skin reaction.

Causes serious eye irritation.

4.3 Indication of any immediate medical attention and special treatment needed

None expected, see Section 4.1 for further information.

Section 5: Firefighting measures

5.1 Extinguishing media

Suitable media: Carbon dioxide, Dry chemical, Foam.

5.2 Special hazards arising from the substance or mixture

In case of fire, may be liberated: Carbon monoxide, Unidentified organic compounds.

5.3 Advice for fire fighters:

In case of insufficient ventilation, wear suitable respiratory equipment.

Section 6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures:

Avoid inhalation. Avoid contact with skin and eyes. See protective measures under Section 7 and 8.

6.2 Environmental precautions:

Keep away from drains, surface and ground water, and soil.

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6.3 Methods and material for containment and cleaning up:

Remove ignition sources. Provide adequate ventilation. Avoid excessive inhalation of vapours. Contain spillage immediately by use of sand or inert powder. Dispose of according to local regulations.

6.4 Reference to other sections:

Also refer to sections 8 and 13.

Section 7. Handling and storage

7.1 Precautions for safe handling:

Keep away from heat, sparks, open flames and hot surfaces. - No smoking. Use personal protective equipment as required. Use in accordance with good manufacturing and industrial hygiene practices. Use in areas with adequate ventilation. Do not eat, drink or smoke when using this product.

7.2 Conditions for safe storage, including any incompatibilities:

Store in a well-ventilated place. Keep container tightly closed. Keep cool. Ground/bond container and receiving equipment. Use explosion-proof electrical, ventilating and lighting equipment. Use only non-sparking tools. Take precautionary measures against static discharge.

7.3 Specific end use(s):

Fragrances: Use in accordance with good manufacturing and industrial hygiene practices.

Section 8. Exposure controls/personal protection

8.1 Control parameters

Workplace exposure limits:

Ingredient	CAS	EC	Description	Value
DIETHYL PHTHALATE	84-66-2	201-550-6	UK Long-term exposure limit (8-hour TWA) (mg/m ³)	5 mg/m ³
			UK Short-term exposure limit (15-minute) (mg/m ³)	10 mg/m ³

8.2 Exposure Controls

Eye / Skin Protection

Wear protective gloves/eye protection/face protection

Respiratory Protection

Ensure adequate and ongoing ventilation is maintained in order to prevent build up of excessive vapour and to ensure occupational exposure limits are adhered to. If appropriate, and depending on your patterns and volumes of use, the following engineering controls may be required as additional protective measures: a) Isolate mixing rooms and other areas where this material is used or openly handled. Maintain these areas under negative air pressure relative to the rest of the plant. b) Employ the use of Personal protective equipment - an approved, properly fitted respirator with organic vapour cartridges or canisters and particulate filters. c) Use local exhaust ventilation around open tanks and

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other open sources of potential exposures in order to avoid excessive inhalation, including places where this material is openly weighed or measured. In addition, use general dilution ventilation of the work area to eliminate or reduce possible worker exposures. d) Use closed systems for transferring and processing this material.

Also refer to Sections 2 and 7.

Section 9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical State/Colour:	Clear pale yellow to yellow liquid
Odour:	Not determined
Odour threshold:	Not determined
Melting point / freezing point:	Not determined
Boiling point or initial boiling point and boiling range:	Not determined
Flammability:	Not determined
Lower and upper explosion limit:	Not determined
Flash point:	73 °C
Auto-ignition temperature:	Not determined
Decomposition temperature:	Not relevant
pH:	Not determined
Kinematic viscosity:	Not determined
Solubility:	Not determined
Partition coefficient: n-octanol/water (log value):	Not determined
Vapour pressure:	0.22477933 mmHg
Density and/or relative density:	0.9400
Relative vapour density:	Not determined
Particle characteristics:	Not determined

9.2 Other information: None available

Section 10. Stability and reactivity

10.1 Reactivity:

Presents no significant reactivity hazard, by itself or in contact with water.

10.2 Chemical stability:

Good stability under normal storage conditions.

10.3 Possibility of hazardous reactions:

Not expected under normal conditions of use.

10.4 Conditions to avoid:

Avoid extreme heat.

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10.5 Incompatible materials:

Avoid contact with strong acids, alkalis or oxidising agents.

10.6 Hazardous decomposition products:

Not expected.

Section 11. Toxicological information

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

This mixture has not been tested as a whole for health effects. The health effects have been calculated using the methods outlined in Regulation (EC) No 1272/2008 (CLP).

Acute Toxicity: Based on available data the classification criteria are not met.

Acute Toxicity Oral >5000

Acute Toxicity Dermal >5000

Acute Toxicity Inhalation Not Available

Skin corrosion/irritation: Skin Corrosion / Irritation Category 2

Serious eye damage/irritation: Eye Damage / Irritation Category 2

Respiratory or skin sensitisation: Sensitization - Skin Category 1

Germ cell mutagenicity: Based on available data the classification criteria are not met.

Carcinogenicity: Based on available data the classification criteria are not met.

Reproductive toxicity: Based on available data the classification criteria are not met.

STOT-single exposure: Based on available data the classification criteria are not met.

STOT-repeated exposure: Based on available data the classification criteria are not met.

Aspiration hazard: Aspiration Hazard Category 1

Information about hazardous ingredients in the mixture

Ingredient	CAS	EC	LD50/ATE Oral	LD50/ATE Dermal	LC50/ATE Inhalation	LC50 Route
COUMARIN	91-64-5	202-086-7	500	Not available	Not available	Not available
REACTION MASS OF ALLYL (2-METHYLBUTOXY) ACETATE & ALLYL (3-METHOXYBUTOXY) ACETATE	67634-00-8, 67634-01-9	266-803-5, 266-804-0, 916-328-0	500	1100	0.46	Dust/mist mg/l

Refer to Sections 2 and 3 for additional information.

11.2 Information on other hazards

Not Applicable

Section 12. Ecological information

12.1 Toxicity:

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Very toxic to aquatic life with long lasting effects.

12.2 Persistence and degradability: Not available

12.3 Bioaccumulative potential: Not available

12.4 Mobility in soil: Not available

12.5 Results of PBT and vPvB assessment:

This substance does not meet the PBT/vPvB criteria of REACH, annex XIII.

12.6 Endocrine disrupting properties: Not Applicable

12.7 Other adverse effects: Not available

Section 13. Disposal considerations

13.1 Waste treatment methods:

Dispose of in accordance with local regulations. Avoid disposing into drainage systems and into the environment. Empty containers should be taken to an approved waste handling site for recycling or disposal.

Section 14. Transport information

	14.1 UN number:	14.2 UN Proper Shipping Name:	14.3 Transport hazard class (es):	Sub Risk:	14.4 Packing Group:
UN Model Regulations	UN3082	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (TETRAMETHYL ACETYLOCTAHYDRONAPHTHALENE S, 1,3,4,6,7,8-HEXAHYDRO-4,6,6,7,8,8-HEXAMETHYLINDENO[5,6-C]PYRAN)	9	-	III
IMDG	UN3082	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (TETRAMETHYL ACETYLOCTAHYDRONAPHTHALENE S, 1,3,4,6,7,8-HEXAHYDRO-4,6,6,7,8,8-HEXAMETHYLINDENO[5,6-C]PYRAN) MARINE POLLUTANT	9	-	III
ADR,RID,ADN	UN3082	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (TETRAMETHYL ACETYLOCTAHYDRONAPHTHALENE S, 1,3,4,6,7,8-HEXAHYDRO-4,6,6,7,8,8-HEXAMETHYLINDENO[5,6-C]PYRAN)	9	-	III
ICAO TI	UN3082	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (TETRAMETHYL ACETYLOCTAHYDRONAPHTHALENE S, 1,3,4,6,7,8-HEXAHYDRO-4,6,6,7,8,8-HEXAMETHYLINDENO[5,6-C]PYRAN)	9	-	III

14.5 Environmental hazards: This is classified as an environmentally hazardous substance under the UN Model Regulations. This is classified as a Marine Pollutant under the IMDG

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Code.

14.6 Special precautions for user: None additional

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

None additional

15.2 Chemical Safety Assessment

A Chemical Safety Assessment has not been carried out for this product.

Section 16. Other information

Concentration % Limits: SCI 2=18.77% EDI 2=30.07% SS 1=7.30% AH 1=92.04% EH C1=95.31%
EH C2=9.18% EH C3=0.91286602% EH C4=48.18% EDI 2A=26.84%

Total Fractional Values: SCI 2=5.33 EDI 2=3.33 SS 1=13.70 AH 1=1.09 EH C1=1.05 EH C2=10.89
EH C3=109.55 EH C4=2.08 EDI 2A=3.73

Key to revisions:

Classification under Regulation (EC) No 1272/2008

Information about hazardous ingredients in the mixture

SECTION 3: Composition/information on ingredients

Workplace exposure limits

Key to abbreviations:

Abbreviation	Meaning
AH 1	Aspiration Hazard Category 1
ATD 4	Acute Toxicity - Dermal Category 4
ATI 2	Acute Toxicity - Inhalation Category 2
ATI 4	Acute Toxicity - Inhalation Category 4
ATO 4	Acute Toxicity - Oral Category 4
EDI 1	Eye Damage / Irritation Category 1
EDI 2	Eye Damage / Irritation Category 2
EH A1	Hazardous to the Aquatic Environment - Acute Hazard Category 1
EH C1	Hazardous to the Aquatic Environment - Long-term Hazard Category 1
EH C2	Hazardous to the Aquatic Environment - Long-term Hazard Category 2
EH C3	Hazardous to the Aquatic Environment - Long-term Hazard Category 3
FL 3	Flammable Liquid, Hazard Category 3
H226	Flammable liquid and vapour.
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H312	Harmful in contact with skin.

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H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H330	Fatal if inhaled.
H332	Harmful if inhaled.
H336	May cause drowsiness or dizziness.
H361	Suspected of damaging fertility or the unborn child.
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.
P202	Do not handle until all safety precautions have been read and understood.
P210	Keep away from heat, sparks, open flames and hot surfaces. - No smoking.
P233	Keep container tightly closed.
P240	Ground/bond container and receiving equipment.
P241	Use explosion-proof electrical, ventilating and lighting equipment.
P242	Use only non-sparking tools.
P243	Take precautionary measures against static discharge.
P260	Do not breathe vapour or dust.
P261	Avoid breathing vapour or dust.
P264	Wash hands and other contacted skin thoroughly after handling.
P270	Do not eat, drink or smoke when using this product.
P271	Use only outdoors or in a well-ventilated area.
P272	Contaminated work clothing should not be allowed out of the workplace.
P273	Avoid release to the environment.
P280	Wear protective gloves/eye protection/face protection.
P281	Use personal protective equipment as required.
P284	Wear respiratory protection.
P301/310	IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
P301/312	IF SWALLOWED: call a POISON CENTER or doctor/physician if you feel unwell.
P301/330/331	If swallowed: Rinse mouth. Do not induce vomiting.
P302/352	IF ON SKIN: Wash with plenty of soap and water.
P303/361/353	IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower.
P304/340	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P305/351/338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P308/313	IF exposed or concerned: Get medical advice/attention.
P310	Immediately call a POISON CENTER or doctor/physician.
P312	Call a POISON CENTRE or doctor/physician if you feel unwell.
P330	Rinse mouth.
P331	Do not induce vomiting.

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P332/313	If skin irritation occurs: Get medical advice/attention.
P333/313	If skin irritation or rash occurs: Get medical advice/attention.
P337/313	If eye irritation persists: Get medical advice/attention.
P362	Take off contaminated clothing and wash before reuse.
P363	Wash contaminated clothing before reuse.
P370/378	In case of fire: Use carbon dioxide, dry chemical, foam for extinction.
P391	Collect spillage.
P403/233	Store in a well-ventilated place. Keep container tightly closed.
P403/233/235	Store in a well-ventilated place. Keep container tightly closed. Keep cool.
P403/235	Store in a well-ventilated place. Keep cool.
P405	Store locked up.
P501	Dispose of contents/container to approved disposal site, in accordance with local regulations.
REP 2	Toxic to Reproduction Category 2
SCI 1B	Skin Corrosion / Irritation Category 1B
SCI 2	Skin Corrosion / Irritation Category 2
SS 1	Sensitization - Skin Category 1
SS 1A	Sensitization - Skin Category 1A
SS 1B	Sensitization - Skin Category 1B
STO-SE 3(NE)	Specific Target Organ Toxicity (Single Exposure) Category 3

The information in this safety data sheet is to the best of our knowledge true and accurate but all data, instructions, recommendations and/or suggestions are made without guarantee.