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MATERIAL SAFETY DATA SHEET

According to Regulation (EC) No 1272 of 2008 and Regulation (EC) No 1907/2006 (REACH), as amended by Regulation (EU) 2017/1510

Organic Bergamot Oil

Version 01 Date of compilation: 17.10.2019 Date of publishing: 22.10.2019

1. Identification of the substance/mixture and the company/undertaking

1.1. Product Identifiers

Product name	:	Organic Bergamot Oil
Substance name (INCI)	:	CITRUS AURANTIUM BERGAMIA PEEL OIL
REACH Registration No	:	-
CAS No	:	89957-91-5
EO No	:	289-612-9
ISO	:	ISO 3520:1998, supplemented /Cor 1:2002
Biological origin	:	The oil is extracted by cold pressing of unripe fruit peel of Citrus aurantium L.ssp. bergamiaWight et Amott = C.bergamia Risso /.

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

Use of substance/mixture	:	Used in perfumery and cosmetics by itself or as a formulation constituent, a part of composition.
Recommended restrictions on use	:	No data available

1.3. Details of the supplier of the safety data sheet

Manufacturer **:** ALTEYA ORGANICS LLC
Mailing address/Postal code **: 6167,** village of Yagoda, 1, Rozovarna Str.
Country identifier/

Postal code/city or town : Bulgaria
Telephone/Mobile/Fax : +359 700 15 502

E-mail of the competent person responsible for the Safety Data Sheet : salesbg@alteya.com
National contact person : Kaloyan Stoev

1.4. Emergency telephone number

Clinic of Toxicology at MPHATEM N.I. Pirogov
Emergency telephone number: 02 9154409; (regular working time, Saturdays and Sundays excluded) or 02 9154 346 (24h service, all week)
e-mail: poison_centre@mail.orbitel.bg
http//www.pirogov.net

2. Hazards Identification

2.1. Classification of the substance or mixture

2.1.1. Classification according to Regulation (EC) No 1272/2008 (CLP)

Classification according GHS				
Chapter	**Subsection**	**Class of hazard**	**Class of hazard and category of hazard**	**Hazard statements**
3.1	Oral	Acute toxicity	(Acute Tox. 4)	H302
3.2	Skin	Skin irritation	Corrosion/irritation 2	H315
3.4	Sens.	Skin sensitization	(Skin sens 1)	H317
3.3	Eye	Eye irritation	(Corrosion)Damage/ Irritation. 2A	H319
4.1	Chronic	Hazardous for aquatic environment	Aquatic Chronic 3	H410

2.1.2. Additional information:

For full text of hazard statements and EC specific hazard statements: see SECTION 16.

2.2. Label Elements

Designation according Regulation (EC) No 1272/2008 [CLP]

Hazard pictograms

GHS08 GHS07

Signal word : Hazardous

Hazard statements	:	H302	Harmful if swallowed
		H315	Causes skin irritation
		H317	May cause allergic skin reaction
		H319	Causes serious eye irritation
Hazard statements concerning environment	:	H410	Harmful for aquatic life with long-lasting effect
		EUH208	Contains: Limonene, Linalool. May cause allergic reaction.

Safety recommendations

Safety recommendations		
- General	P102	Keep out of reach of children
Safety recommendations		
- Prevention	P273	Avoid release to the environment
	P280	Use protective gloves/protective clothing / protective goggles / protective facial mask
Safety recommendations		
- As a reaction	P305+ P351+338	IF IN THE EYES: Rinse carefully with water for several minutes. Remove contact lenses if there are such and if possible. Continue rinsing.
	P301 + P310	IF SWALLOWED: immediately call TOXICOLOGY CENTRE or a physician.
	P302 + P352	IF CONTACT WITH SKIN: Wash with plenty of soap and water.
	P333 + P313	In case skin irritation or rash occurs: Seek medical advice/help.
	P391	Collect spillage
Safety recommendations		
- In discharge	P501	Dispose of contents / container in an approved place and in compliance with the local and national regulations.

2.3. Other hazards

No other information available.

The substance meets vPvB criteria according to Regulation (EC) No 1907/2006, Annex XIII

3. Composition/information on ingredients

3.1. Substances/ Mixture

INGRIDIENT	*IDENTIFIERS*	*%*	*CLASSIFICATION*
b-PINENE	*EINECS NO: 204-872-5* *CAS NO: 127-91-3*	*5,5 – 9,6*	*Flam. Liq. 3 – H226* *Skin Sens. 1 – H317* *Skin Irrit. 2 – H315* *Asp. Tox. 1 – H304* *Aquatic Acute 1 – H400* *Aquatic Chronic 1 – H410*
LIMONENE	*EINECS NO: 227-813-5* *CAS NO: 5989-27-5*	*40,0*	*Flam. Liq. 3 – H226* *Skin Irrit. 2 – H315* *Skin Sens. 1 – H317* *Asp. Tox. 1 – H304* *Aquatic Acute 1 – H400* *Aquatic Chronic 1 – H410*
γ-TERPINENE	*EINECS NO: 202-794-6* *CAS NO: 99-85-4*	*6,0 – 10,0*	*Flam Liq.Cat.3; H226* *Skin Irrit. Cat.2, H315* *Eye Irrit. 2A (H319)* *STOS, Cat.3, H335*
LINALOOL	*EINECS NO: 201-134-4* *CAS NO: 78-70-6*	*3,0 – 21,0*	*Acute Tox. Oral 5 (H303)* *Eye Irrit. 2A (H319)* *Flam. Liq. 4 (H227)* *Aquatic Acute 3 (H402)* *Skin Sens. 1B (H317)* *Skin Irrit. 2 (H315)*
LINALYL ACETATE	*EINECS NO: 204-116-4* *CAS NO: 115-95-7*	*22,0 – 36,0*	*Eye Irrit. 2A (H319)* *Flam. Liq. 4 (H227)* *Aquatic Acute 3 (H402)* *Skin Irrit. 2 (H315)*
β-BISABOLENE	*EINECS NO: -* *CAS NO: 495-61-4*	*0,30 – 0,55*	*Skin Sens. 1 – H317* *Skin Irrit. 2 – H315* *Asp. Tox. 1 – H304*
BERGAPTEN	*EINECS NO: 207-604-5* *CAS NO: 484-20-8*	*0,11 – 0,34*	*Skin Sens. 1 – H317*

4. First Aid Measures

4.1. Description of first aid measures

- General notes	:	In case of sickness seek medical advice (if possible show the label).
- Following inhalation	:	Immediately remove the exposed individual away from the source of exposition to fresh air. In case the symptoms persist seek medical advice.
- Following skin contact	:	Wash the affected area with plenty of water and soap. Remove the contaminated clothing. In case irritation occurs seek medical advice.
- Following eye contact	:	Immediately start rinsing the eyes with plenty of water for at least 15 min. Remove the contact lenses. Immediately seek medical advice. Continue rinsing.
- Following ingestion	:	Seek medical advice or contact the TOXICOLOGY CENTER/physician/.
- Self-protection of first aid provider	:	No data available.

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

Effects	:	Causes skin irritation. May cause allergic reaction. Causes serious eye irritation.

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

Treatment	:	There isn't a specific antidote. Treat symptomatically.

5. Fire-fighting Measures

5.1. Extinguishing media

Suitable extinguishing media	:	Foam. Dry powder. Carbon dioxide.

Unsuitable extinguishing media	:	Water spray, water jet.

5.2. Special hazards arising from the substance or mixture

Hazardous products when burning	:	In case of heating and fire irritating vapors / gases may be formed. Carbon monoxide, carbon dioxide.
Specific hazards during fire-fighting	:	Containers exposed to heat (fire) may become pressurized.

5.3. Advice for firefighters:

Special protective equipment for firefighters	:	In case of fire and/or explosion do not breathe smoke. Wear protective clothing, use self-contained breathing apparatuses.
Additional data	:	Fight fire using the usual precautionary measures from an appropriate distance. Use water spray to cool exposed containers.

6. Accidental Release Measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For personnel not responsible for emergencies

Personal precautionary measures, protective equipment and procedure èmergency procedures	:	Wear personal protective clothing as described in SECTION 8 of this Material Safety Data Sheet. Handle the product using chemical resistant protective gloves. Avoid skin contact and inhaling the vapors or the smoke. Maintain adequate ventilation in operating area after spillage.

6.1.2. For the persons responsible for emergencies

Wear personal protective equipment. Provide adequate ventilation. Unprotected persons are not admitted. Avoid skin and eye contact. Avoid inhaling vapors. Keep away ignition sources.

6.2. Environmental precautions

Environmental precautions	:	Avoid discharge in sewer system, water sources or on the soil.

6.3. Methods and materials for containment and cleaning up

6.3.1.	For containment	:	Limit spillage using non-combustible absorbing materials such as sand, soil, vermiculite, diatomaceous earth in containers for waste disposal.
6.3.2.	For cleanup	:	Collect with absorbent material (sand, peat, sawdust), clean the area with wet sponge /cloth/. Cleanup in suitable containers.
6.3.3.	More information	:	Wear personal protective clothing as described in SECTION 8 of this Material Safety Data Sheet.

6.4. Reference to other sections

For personal protective equipment: see SECTION 8.

7. Handling and Storage

7.1. Precautions for safe handling

Precautions	:	Keep away from food and drinks. Avoid skin and eye contact. Handle it following the regulations concerning good hygiene and safety.
Fire-fighting measures	:	Keep away from ignition sources. Do not eat, drink or smoke while using the product.

Measures to avoid

transformation into aerosols and powder	:	Use adequate ventilation of the operation area.
Environmental precautionary: measures		Avoid release in sewer systems and water sources. In case of release in water sources or sewer systems inform competent authorities without delay.
Advice on general occupational hygiene	:	Wash your hands before breaks and at the end of the working day. Avoid skin and eye contact. Contaminated clothing and boots should be cleaned before used again

.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures and storage conditions	:	Store the product in original container, tightly closed in a dry, well ventilated place, away from possible ignition sources and protected against light. Protect from extreme heats, freezing and ignition sources.
Packing materials	:	Use packing materials preserving the integrity of the product. Obscure /orange/ glass, reservoirs made of aluminum or tinned iron, and for a short-time storage in steel or galvanized vessels with internal protective coating.
Requirements to storage areas or containers:	:	Store in a cold shadowy premises using vessels made of stainless steel, and preferably in inert atmosphere (nitrogen) at temperature not higher than 15^{o}C.
Storage class	:	No data available

Recommendations for protection

from fire and explosions	:	Not known
Recommendations for primary storage	:	Store away from flammable materials. **It is recommended to follow the requirements concerning packing and storage according to ISO/TS 210:2014.**

7.3. Specific end use(s)

Recommendations	:	Before using read the label.
Solutions specific to the industry sector	:	No data available.
Specific use(s)	:	Used in perfumery and cosmetics by itself or as a formulation constituent, a part of composition.

8. Exposure controls/Personal protection equipment

8.1. Control parameters

Occupational exposure limits are determined on the basis of data base of international limit values GESTIS

Other occupational exposure limits

Information on monitoring procedures

Relevant DNEL-/DMEL-/PNEC and other threshold levels

DERIVED NO EFFECT LEVEL (DNEL)OR DERIVED MINIMUM EFFECT LEVEL (DMEL): LINALOOL(CAS:78-70-6)

FINAL USE:	*WORKERS.*
EXPOSURE METHOD:	*DERMAL CONTACT.*
POTENTIAL HEALTH EFFECTS:	*SHORT TERM SYSTEMIC EFFECTS.*
DNEL:	*5MG/KG BODY WEIGHT/DAY*
EXPOSURE METHOD:	*DERMAL CONTACT.*
POTENTIAL HEALTH EFFECTS:	*SHORT TERM LOCAL EFFECTS.*

DNEL: 15MG OF SUBSTANCE/CM2

EXPOSURE METHOD: DERMAL CONTACT.
POTENTIAL HEALTH EFFECTS: LONG TERM SYSTEMIC EFFECTS.
DNEL: 2.5MG/KGBODY WEIGHT/DAY

EXPOSURE METHOD: DERMAL CONTACT.
POTENTIAL HEALTH EFFECTS: LONG TERM LOCAL EFFECTS.
DNEL: 15MG OF SUBSTANCE/CM2

EXPOSURE METHOD: INHALATION.
POTENTIAL HEALTH EFFECTS: SHORT TERM SYSTEMIC EFFECTS.
DNEL: 16.5MG OF SUBSTANCE/M3

EXPOSURE METHOD: INHALATION.
POTENTIAL HEALTH EFFECTS: LONG TERM SYSTEMIC EFFECTS.
DNEL: 2.8MG OF SUBSTANCE/M3
FINAL USE: CONSUMERS.

EXPOSURE METHOD: INGESTION.
POTENTIAL HEALTH EFFECTS: SHORT TERM SYSTEMIC EFFECTS.
DNEL: 1.2MG/KGBODY WEIGHT/DAY

EXPOSURE METHOD: INGESTION.
POTENTIAL HEALTH EFFECTS: LONG TERM SYSTEMIC EFFECTS.
DNEL: 0.2MG/KG BODY WEIGHT/DAY

EXPOSURE METHOD: DERMAL CONTACT.
POTENTIAL HEALTH EFFECTS: SHORT TERM SYSTEMIC EFFECTS.
DNEL: 2.5MG/KG BODY WEIGHT/DAY

EXPOSURE METHOD: DERMAL CONTACT.
POTENTIAL HEALTH EFFECTS: SHORT TERM LOCAL EFFECTS.
DNEL: 15MG OF SUBSTANCE/CM2

EXPOSURE METHOD: DERMAL CONTACT.
POTENTIAL HEALTH EFFECTS: LONG TERM SYSTEMIC EFFECTS.
DNEL: 1.25MG/KG BODY WEIGHT/DAY

EXPOSURE METHOD: DERMAL CONTACT.
POTENTIAL HEALTH EFFECTS: LONG TERM LOCAL EFFECTS.
DNEL: 15MG OF SUBSTANCE/CM2

EXPOSURE METHOD: INHALATION.
POTENTIAL HEALTH EFFECTS: SHORT TERM SYSTEMIC EFFECTS.
DNEL: 4.1MG OF SUBSTANCE/M3

EXPOSURE METHOD: INHALATION.

POTENTIAL HEALTH EFFECTS: LONG TERM SYSTEMIC EFFECTS.
DNEL: 0.7MG OF SUBSTANCE/M3

PREDICTED NO EFFECT CONCENTRATION (PNEC):
LINALOOL(CAS:78-70-6)

ENVIRONMENTAL COMPARTMENT: SOIL.
PNEC: 0.327MG/KG

ENVIRONMENTAL COMPARTMENT: FRESH WATER.
PNEC: 0.2MG/L

ENVIRONMENTAL COMPARTMENT: SEA WATER.
PNEC: 0.02MG/L

ENVIRONMENTAL COMPARTMENT: INTERMITTENT WASTE WATER.
PNEC: 2MG/L

ENVIRONMENTAL COMPARTMENT: FRESH WATER SEDIMENT.
PNEC: 2.22MG/KG

ENVIRONMENTAL COMPARTMENT: MARINE SEDIMENT.
PNEC: 0.222MG/KG

ENVIRONMENTAL COMPARTMENT: WASTE WATER TREATMENTPLANT.
PNEC: 10MG/L

8.2. Exposition controls

8.2.1. Appropriate engineering control

Measures related to the substance/mixture to prevent exposure during identified uses : The description of the appropriate exposition control measures refer to the specified in subsection 1.2 identified uses of the substance or the mixture.

This information is sufficient to make it possible for the employer, when appropriate, to assess the risk caused by the presence of the substance or the mixture for the health and safety of employees according articles 4—6 of Directive 98/24/EC and articles 3—5 of Directive 2004/37/EC.
This information supplements the information presented in SECTION 7.
Provide adequate ventilation. The good practices of personal hygiene are always recommended especially when handling chemicals / oils.

Wash hands before breaks and at the end of the working day. Remove and wash the contaminated clothing before using it again.
Avoid eye and skin contact. Do not breathe gases / vapors / aerosols. Do not eat, drink or smoke while at work.

8.2.2. Personal protective equipment:

8.2.2.1.Eyes and face protection: Wear approved goggles. (EN 166).

8.2.2.2.Skin protection

Hand protection : Wear chemical resistant gloves (PVC), to avoid skin contact. DIN/EN 374.
The material of the gloves should be impermeable and resistant to the product / substance / preparation. The information concerning exact time of break should be provided by the manufacture of the gloves and should be followed.

Other skin protection: To avoid skin contact wear suitable protective clothing.

8.2.2.3. Respiratory tract protection : A respiratory facial mask is recommended.
NIOSH or European standard EN 149 approved respirator.

8.2.2.4. Thermal hazards : There aren't such.

8.2.3.Environmental exposure controls : Avoid disposal in sewer systems. To be eliminated by authorized companies only.

Measures related to substance/

mixture required to avoid exposition	:	No data available.
Training measures related to the avoiding of exposition	:	The training of the staff is organized according a company schedule.
Organization measures to avoid exposition	:	Training of staff
Technical measures to avoid exposition	:	Training of staff

Environmental exposition controls

Basic guidelines	:	Do not wash-off in surface waters.

9. Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Appearance	:	free-flowing, clear liquid, sometimes with solid sediment / mainly in the process of cooling.
Color	:	light yellow to yellow-brown liquid
Odor	:	Fragrant, sweet-fruity, citrus odor, reminding the odor of fresh bergamot pericarp, sometimes with oil - woody, grass fragrance.
Esters content, such as linalyl acetate	:	22 - 36
Content of nonvolatile residue in %	:	4,5 – 6,4
Aldehydes such as decyl in %	:	4,5 – 6,5
Bergapten content	:	0,11 – 0,34
Odor threshold	:	No data from our supplier on this matter

pH	:	No data available
Freezing point in ^{o}C	:	No data available
Melting point in ^{o}C	:	No data available
Boiling point	:	159,0
Boiling point / boiling range	:	No data available
Ignition point in ^{o}C	:	No data available
Acid value, mgKOH/g	:	maximum 2,0
Ester value, mgKOH/g	:	86 – 129.0
Evaporation rate	:	No data available
Flammability (solid substance, gas):		No data available
Ignition point	:	65,0 /Luchaire/
Upper flammability/ explosion limit	:	No data available
Lower flammability/ explosion limit	:	No data available
Vapor pressure at 20^{o}C	:	~ 0.4mmHg
Solubility(ies)	:	Soluble in glacial acetic acid, in most of the glyceride oils and in ethanol – P_{85} up to 1:1.
Insoluble in	:	water, glycerin and propylene glycol.
Partition coefficient n-octanol/water	:	No data available
Autoignition temperature	:	No data available
Decomposition temperature	:	No data available

Explosivity	:	No data available
Oxidizing properties	:	No data available

Other information

Refractive index at n^{20}/d	:	1.459 -1.496
Relative density at d^{20}	:	0.876 - 0.894
Optical rotation at 20°C	:	+8.0 to +24.0
CD value	:	0,760 – 1,180

No other information available.

10. Stability and Reactivity

10.1. Reactivity

Advice	:	The product is considered stable at the recommended conditions of handling and storage.

10.2. Chemical stability

Note	:	No data available.

10.3. Possible hazardous reactions

Hazardous reactions	:	Fire hazard.

10.4. Conditions to avoid

Conditions to avoid	:	Avoid heat, flames and other ignition sources.
Thermal decomposition	:	No data available.

10.5. Incompatible materials

Materials to avoid	:	Avoid contact with strong oxidizers, concentrated acids, alkalis.

10.6. Hazardous decomposition products

Hazardous decomposition products	:	In case of fire hazardous decomposition product may be generated, such as carbon monoxide and dioxide.

11. Toxicological Information

11.1. Information on toxicological effects

Acute toxicity

Bergamot Oil, natural - 8007-75-8
ORAL ROUTE: LD50=11520MG/KG

LINALOOL(CAS:78-70-6)
ORAL ROUTE: LD50=2200MG/KG
SPECIES: MOUSE
OECDGUIDELINE 401(ACUTE ORAL TOXICITY)

Notes : Irritant to skin and mucous membranes.

Corrosion/Skin irritation

LINALOOL(CAS:78-70-6)
DERMAL ROUTE :LD50=5610MG/KG
SPECIES: RABBIT
OECDGUIDELINE 402(ACUTE DERMAL TOXICITY)

LINALOOL(CAS:78-70-6)
IRRITATION: AVERAGE SCORE =1.85
EFFECT OBSERVED : ERYTHEMA SCORE
SPECIES : RABBIT
DURATION OF EXPOSURE : 24HOECDGUIDELINE 404(ACUTE DERMAL IRRITATION /CORROSION)

Notes : Irritant to skin.

Serious damage/eye irritation

Result : Serious eye damage.

May cause irreversible effect on eyes, such as damage of eye tissue or serious physical decay of vision that is not completely reversible by the end of the monitoring period of 21 days.
The serious damage of eyes is characterized with destruction of cornea, lasting opacity of cornea and iris.

LINALOOL(CAS:78-70-6)
CORNEAL HAZE: *AVERAGE SCORE =1*
SPECIES : RABBIT
DURATION OF EXPOSURE : 24HOECDGUIDELINE 405 (ACUTE EYE IRRITATION /CORROSION)

IRITIS: *AVERAGE SCORE =0.6*
SPECIES : RABBIT
DURATION OF EXPOSURE : 24HOECDGUIDELINE 405(ACUTE EYE IRRITATION /CORROSION)

CONJUNCTIVAL REDNESS: AVERAGE SCORE =2.3
SPECIES : RABBIT
DURATION OF EXPOSURE : 24HOECDGUIDELINE 405(ACUTE EYE IRRITATION /CORROSION

Respiratory or skin sensitization		
Note	:	May cause allergic skin reaction. Possible sensitization through skin contact.

Ingestion		
Note	:	Harmful if swallowed.

Mutagenicity of germ cells		
Note	:	No data available

Carcinogenicity		
IARC	:	2A – Group 2A: Possibly carcinogenic for humans (4-Methoxy-7H-furo[3,2- g][1]benzopyran-7-one)

Summary of the assessment of CMR properties

Note : No data available

STOT (specific target organ toxicity) — single exposure

Note : No data available

STOT (specific target organ toxicity) — repeated exposure

Note : No data available

Aspiration hazard

Note : Hazardous by inhalation. May cause dizziness, headache

Phototoxicity

Note : The oil is classified as phototoxic.

Information on possible routes of exposure

Note : No data available

Symptoms related to physical, chemical and toxicological characteristics

Note : Toxicological characteristics are not comprehensively studied

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Note : Toxicological characteristics are not comprehensively studied

Interactions

Note	:	Toxicological characteristics are not comprehensively studied

Lack of specific data

Note	:	Toxicological characteristics are not comprehensively studied

Mixtures

Note	:	Toxicological characteristics are not comprehensively studied

Medical consideration

Note	:	The persons having rash are directed to dermal specialist to be examined for allergic eczema.

Other information

Note	:	The oil contains about 0,11 – 0,34% bergapten so it is phototoxic.

12. Ecological information

Note	:	Very toxic to aquatic life with long-time effect. The product should not be disposed in sewer system or water sources.

12.1. Toxicity

Product:

Acute (short-term) toxicity:

Fish

LINALOOL(CAS:78-70-6)

FISH TOXICITY: *DURATION OF EXPOSURE :96H*
LC50=27.8MG/L
SPECIES :ONCORHYNCHUS MYKISS
OECDGUIDELINE 203(FISH,ACUTE TOXICITY TEST)

Toxic for Daphnia and other aquatic invertebrates

LINALOOL(CAS:78-70-6)

CRUSTACEAN TOXICITY *DURATION OF EXPOSURE :48H*
EC50=59MG/L
SPECIES :DAPHNIA MAGNA
OECDGUIDELINE 202(DAPHNIA SP.ACUTE)

Algae/aquatic plants

Bergamot Oil, natural - 8007-75-8
EC506.2MG/L (48H)CALCULATED VALUE [SOURCE RIFM].

LINALOOL(CAS:78-70-6)
IMMOBILISATION TEST
ALGAE TOXICITY: *DURATION OF EXPOSURE :96H*
ECR50=88.3MG/L
SPECIES :DESMODESMUS SUBSPICATUS
OTHER GUIDELINE

Bacteria

Note : No data available

Chronic (long-term) toxicity:

Note : No data available

Fish

Note : No data available

Shellfish

Note : No data available

Algae/water plants

Note : No data available

Other organisms

Note : No data available

12.2. Persistence and degradability

Product:

Abiotic degradation

Note : No data available

Physical and photo-chemical elimination

Note : No data available

Biochemical degradation

Note : No data available

12.3. Bioaccumulation

Product:

Partition coefficient n-octanol/water (log Kow)

Note : No data available

Bioconcentration factor (BCF)

Notes : Does not accumulate in biological environment

12.4. Mobility in soil

Product:

Known or predicted distribution in environmental components

Note : No data available

Surface tension

Note : No data available

Adsorption/desorption

Note : No data available

12.5. Results of PBT and vPvB assessment

This product doesn't contain substances considered persistent, bioaccumulative or toxic PBT.

Product:		
Results from PBT and vPvB assessment		
Note	:	No data available

12.6. Other adverse effects

Product:		
Biochemical oxygen demand (BOD)		
Value	:	No data available
Chemical oxygen demand (COD)		
Value	:	No data available
Additional ecological information/Mobility in soil		
Notes	:	No data available

12.7. Additional information

Notes	:	Avoid disposal of products in streams, sewer systems or other water routes.

13. Disposal Considerations

13.1. Waste treatment methods

13.1.1. Disposal of product/packing

Codes/designation of waste according to LoW: -

Product	:	Dispose in accordance with all local and national regulations.
Contaminated packaging material	:	No data available.

European Catalogue waste number	:	No waste code can be given to this product according to the European Waste Catalogue since it is related to its potential use. Waste code is given after consulting the regional waste Service
13.1.2. Information on waste treatment	:	No special requirements.
13.1.3. Information on discharge in sewer systems	:	Do not discharge in streams, sewer systems or other water routes.
13.1.4. Other recommendations on waste disposal	:	No data available.

14. UN number

3082

14.1. UN proper shipping name

3082 HAZARDOUS SUBSTANCES IN TERMS OF ENVIRONMENT,LIQUID, n.o.s. (ESSENTIAL OIL of CITRUS AURANTIUM BERGAMIA PEEL OIL - CITRUS AURANTIUM L.

14.2. Transport hazard class(es)

Клас 9

14.3. Packing group

No data available

14.4. Environmental hazards

Yes, H410 Very toxic to aquatic life with long-lasting effect.

14.5. Special precautions for user

When loading the packings it is forbidden to smoke near the transport means.
Check if the packings are properly positioned in the transport vehicle and if they are correctly labeled.

14.6. Transport in bulk according to Annex II to MARPOL and IBC Code"

TARIFF NUMBER 3301 11 0000 ESSENTIAL OILS

Road transport

ADR — *3082 HAZARDOUS SUBSTANCES IN TERMS OF ENVIRONMENT,LIQUID, n.o.s.*

RID

Waterway transport

ADN — *3082 HAZARDOUS SUBSTANCES IN TERMS OF ENVIRONMENT,LIQUID, n.o.s.*

Maritime transport

IMDG — *3082 HAZARDOUS SUBSTANCES IN TERMS OF ENVIRONMENT,LIQUID, n.o.s.,* Marine pollutant: Yes

Air transport

IATA/CAO — *3082 HAZARDOUS SUBSTANCES IN TERMS OF ENVIRONMENT,LIQUID, n.o.s.*

15. Regulatory information

15.1. Legislation specific for the substance or mixture / safety, health and environmental regulations

Other regulations / Laws	: This safety data sheet is consistent with the Law on Protection from Harmful Effects of Substances and Preparations and the Ordinance on the Classification, Packaging and Labelling
EU legislative acts	: accordingly, EU regulations.
Permits or restrictions for use	: To observe the restrictions concerning employment of young people.
Permits	: Not required
IFRA	: IFRA limits the oil content to not more than 2% in cosmetic preparations used in case of sun exposure, and the content of bergapten in PC should not exceed 0,0075%, and in the ready products 0,0015%. The Scientific Council of the EU responsible for cosmetics and non-food products limits the summary content of furanocoumarins, including bergapten in the ready product up to 1 ppm. 30% solution of oil doesn't cause sensitizing reaction, but exposed to light has phototoxic effect.
Other EU legislative acts	: According to the effective Regulations

Information according to Directive 1999/13/EC on the limitation of emissions of volatile organic compounds (VOC Guide)

Restrictions for use in working environment	: Occupational exposure limits EH40.
Other legal acts, restrictions and prohibitive standards	: No data available

15.2. Chemical Safety Assessment

No data available.
The supplier had not prepared a chemical safety assessment for this substance/mixture.

16. Other information

Shelf life 30 month from the date of manufacture..

Classification and procedure used to obtain the classification of mixtures according to Regulation (EC) No 1272/2008 [CLP]
Abbreviations and acronyms:

Abbr.	Description of used abbreviations
ADN	Accord européen relatif au transport international des marchandises dangereuses par voies de navigation intérieures (European Agreement on the International Carriage of Dangerous Goods by Inland Waterways)
ADR	Accord européen relatif au transport international des marchandises dangereuses par route (European Agreement on the International Carriage of Dangerous Goods by Road)
CAS	Chemical Abstracts Service (prepares the most comprehensive list of chemicals)
CLP	Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures (Classification, Labelling and Packaging)
CMR	Carcinogenic, mutagenic and toxic for reproduction (substance)
DMEL	Derived Minimal Effect Level
DNEL	Derived No-Effect Level
EINECS	European Inventory of Existing Commercial Chemical Substances
GHS	"Globally Harmonized System of Classification and Labelling of Chemicals" ", developed by the United Nations
IMDG	International Maritime Dangerous Goods Code
IOELV	Indicative occupational exposure limit value
MARPOL	International Convention on Prevention of Pollution from Ships (abbr. to "Marine Pollutant)
PBT	Persistent, bioaccumulative and toxic
PNEC	Predicted No-Effect Concentration
ppm	parts per million
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals
RID	Règlement concernant le transport International ferroviaire des marchandises Dangereuses (Regulation on Carriage of Dangerous Goods by Rail)
vPvB	very Persistent and very Bioaccumulative

Acute toxicity	(Acute Tox. 4)
Skin irritation	Corrosion/irritation 2
Sensitization – dermal	(Skin sens 1)
Eye irritation	(Corrosion) Damage/Irritation. 2A
Hazardous for aquatic life	Aquatic Chronic 3

Main references and sources of data in the literature
- Regulation (EC) No 1907/2006 (REACH), as amended by 2015/830/EU
- Regulation (EC) No 1272/2008 (CLP, EC GHS)

	List of relevant phrases (code and full text as defined in Section 2 and 3)
Code	**Text**
H302	Harmful if swallowed
H315	Causes skin irritation
H317	May cause allergic skin reaction
H319	Causes serious eye irritation
H410	Very toxic for aquatic life with long-lasting effect
EUH208	Contains Limonene, Linalool. May cause allergic reaction.
	List of instructions for safe treatment, used in the safety document
P102	Keep away from children
P273	Avoid release in the environment
P301+P310	IF SWALLOWED: Immediately call the TOXICOLOGY CENTRE or a physician.
P280	Use protective gloves/protective clothing/protective goggles/protective facial mask.
P302 + P352	IF CONTACT WITH SKIN: Wash with plenty of soap and water
P333 + P313	In case of skin irritation or skin rash: Seek medical advice / assistance.
P305 + P351 + P338	IF CONTACT WITH EYES: Rinse thoroughly with water for several minutes. Remove the contact lenses if there are such and if possible. Continue rinsing.
P391	Collect the spillage.
P501	Dispose of the content / container in an approved for disposal place in compliance with the local and national regulations.

Other information : In accordance with general product specification:
The information in this material safety data sheet is meant to represent typical data/analysis for this product and was obtained from current and reliable sources.
To the best of our knowledge, data is accurate and based on our knowledge and information, at the time of publication.
The information presented is intended only as a guidance for proper and safe use, handling, storage, transportation and disposal, and should not be considered a guarantee /expressed or implied / or a quality specification with respect to the correctness or accuracy.
It is responsibility of the user to determine any safe conditions for use of this product, and to assume responsibility for any loss, injury, damage or expenses resulting from the improper use of this product.

The information relates to the specific product only and is not valid when used in combination with other materials or in any process, unless specified in the text.
The information provided does not constitute a delivery contract; regarding any specification or a given application, the buyer must determine for himself the requirements and recommendations for use of the product.

Disclaimer :

The data in this Safety Data Sheet correspond to the fair presentation of our experience at the time of printing. The information should give you basic guidelines for safe handling of this product, specified in the Safety Data Sheet, regarding its storage, processing, transport and disposal. Data cannot be assigned to other products.
If the product is mixed or processed with other materials, or if it is subject to processing, the data in this Safety Data Sheet cannot be assigned to the new material unless expressly stated otherwise.

E N D!

LIST OF 26 ALLERGEN SUBSTANCES OF THE 7.AMENDMENT OF THE 76/768/CEE DIRECTIVE

Customer: „ ALTEYA ORGANICS LTD, 1 ROSE FIELD STREET, 6167, VILLAGE OF YAGODA, STARA ZAGORA REGION

Name of product: Organic Bergamot Oil (Citrus Aurantium Bergamia Peel Oil)

	NAME OF SUBSTANCES	REMARK	CAS №	EINECS №	NATURAL %	SYNTHETIC %	TOTAL %
1	AMYL CINNAMAL	H317; H411	122-40-7	204-541-5	-	-	-
2	AMYLCINNAMYL ALCOHOL	H315; H317	101-85-9	202-982-8	-	-	-
3	ANISE ALCOHOL	H302; H318 H317	105-13-5	203-273-6	-	-	-
4	BENZYL ALCOHOL	H332; H302	100-51-6	202-859-9	-	-	-
5	BENZYL BENZOATE	H302	120-51-4	204-402-9	-	-	-
6	BENZYL CINNAMATE	H317; H411	103-41-3	203-109-3	-	-	-
7	BENZYL SALICYLATE	H317; H411	118-58-1	204-262-9	-	-	-
8	CINNAMAL	H312; H315 H317	104-55-2	203-213-9	-	-	-
9	CINNAMYL ALCOHOL	H317	104-54-1	203-212-3	-	-	-
10	CITRAL	H315; H317	5392-40-5	226-394-6	-	-	-
11	CITRONELLOL	H315; H317 H411	106-22-9	203-375-0	-	-	-
12	COUMARIN	H302; H317	91-64-5	202-086-7	-	-	-
13	EUGENOL	H319; H317	97-53-0	202-589-1	-	-	-
14	FARNESOL	H315; H319	4602-84-0	225-004-1	-	-	-
15	ALPHA-ISOMETHYL IONONE	H412	127-51-5	204-846-3	-	-	-
16	GERANIOL	H315; H317	106-24-1	203-377-1	-	-	-
17	HEXYL CINNAMAL	H317;	101-86-0	202-983-3	-	-	-
18	HYDROXYCITRONELLAL	H319; H317	107-75-5	203-518-7	-	-	-
19	ISOEUGENOL	H312; H302 H319; H315 H317	97-54-1	202-590-7	-	-	-
20	BUTYLPHENYL METHYLPROPIONAL (LILIAL)	H317	80-54-6	201-289-8	-	-	-
21	LIMONENE	H226; H315 H317; H411	5989-27-5	227-813-5	*40,0*	-	*40,0*
22	LINALOOL	H315	78-70-6	201-134-4	*3,0 – 21,0*	-	*3,0 – 21,0*
23	HYDROXYISOHEXYL 3-CYCLOHEXENE CARBOXALDEHYDE (LYRAL)	H317	31906-04-4	250-863-4	-	-	-
24	METHYL 2-OCTYNOATE	H302; H317	111-12-6	203-836-6	-	-	-
25	EVERNIA FURFURACEA LICHEN EXTRACT (TREEMOSS EXTRACT)	H317	90028-67-4	289-860-8	-	-	-
26	EVERNIA PRUNASTRI (OAK MOSS)	H317	90028-68-5	289-861-3	-	-	-

According to Regulation ЕО 1223/2009 и Directive 76/768/EEC is hereby amended as follows:
The presence of the substance must be indicated in the list of ingredients referred to inArticle 6(1)(g) when its concentration exceeds:— **0,001 %** in"**leave-on"**products, (and)— **0,01 %** in**"rinse-off"**products