

MATERIAL SAFETY DATA SHEET

According to Regulation (EC) No 1907/2006 (REACH), as amended by Regulation (EU) 2020/878 and Regulation (EC) No 1272/2008

Organic Grapefruit Oil

Version 02

Date of creation: 23.10.2019

Supersedes the version from: 23.10.2019

Date of new version: 30.08.2022

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

1.1. Product Identifiers

Trade name	:	Organic Grapefruit Oil
Substance name (INCI)	:	CITRUS PARADISI PEEL OIL
CAS №	:	8016-20-4
EO №	:	-
ISO	:	ISO 3053:1975
Biological origin	:	Obtained by pressing without heating from the skins of the ripe fruit of the grapefruit (Citrus paradisi) of the family Rutaceae.

1.2. Relevant identified significant 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	:	Avoid contact with eyes!
Reason not to recommend use:		May cause irritation.

1.3. Details of the supplier of the safety data sheet

<u>Manufacturer</u>	:	ALTEYA ORGANICS LLC
Mailing address/Postal code	:	6167, village of Yagoda, 1, Rozovarna St.
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 to GHS				
Chapter	Subsection	Class of hazard	Class of hazard and category of hazard	Hazard statements
2.6.	Flam.	Flammable liquids	(Flam. Liq. 3)	H226
3.10	Inh.	Aspiration hazard	(Asp Tox 1)	H304
3.2	Skin	Skin irritation	Corrosion/irritation 2	H315
3.4	Sens.	Sensitization — skin	(Skin sens 1)	H317
4.1	Chronic	Harmful to aquatic life	Aquatic Chronic 2	H411

The most important physicochemical adverse effects and adverse effects on human health and the environment: The substance is flammable and can ignite from potential sources of initiation. Spills and firefighting water may cause watercourse pollution.

2.1.2. Additional information:

For the full text of hazard statements and EU hazard statements: see SECTION 16.

2.2. Label Elements

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

Hazard pictograms



GHS02 GHS07 GHS08 GHS09

Signal word : Hazardous

Hazard statements :
 H226 Flammable liquid and vapour.
 H304 May be fatal if swallowed and enters airways
 H315 Causes skin irritation
 H317 May cause an allergic skin reaction

Hazard statements concerning environment : H411 Toxic to aquatic life with long lasting effects



EUH 208 Contains Limonene, Myrcene, Linalool.
May cause an allergic reaction.

Safety recommendations

Safety recommendations

- General	:	P102	Keep out of reach of children
Safety recommendations			
- Prevention	:	P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
		P241	Use explosion-proof [electrical/ventilating/lighting/...] equipment.
		P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
		P262	Do not get in eyes, on skin, or on clothing.
		P273	Avoid release to the environment.
		P280	Wear protective gloves/protective clothing/eye protection/face protection.
Safety recommendations			
- As a reaction	:	P301+P310	IF SWALLOWED: Immediately call a POISON CENTER/doctor/...
		P331	Do NOT induce vomiting.
		P303 + P361 + P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
		P302 + P352	IF ON SKIN: Wash with plenty of water/...
		P391	Collect spillage.
Safety recommendations			
- If stored		P403+P235	Store in a well-ventilated place. Keep cool.
		P405	Store locked up
Safety recommendations			
- At disposal	:	P501	Dispose of contents / container at an approved disposal site in accordance with local and national regulations.

2.3. Other hazards





No other information available.

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



3. Composition/information on ingredients

3.1. Substances

INGRIDIENT	IDENTIFIERS	%	CLASSIFICATION
CITRUS PARADISI PEEL OIL	EINECS NO: - CAS NO: 8016-20-4	100,0	    DANGER Flam. Liq. 3 / H226 Asp. Tox. 1 / H304 Skin Irrit. 2 / H315 Skin Sens. 1 / H317 Aquatic Chronic 2 / H411
LIMONENE	EINECS NO: 227-813-5 CAS NO: 5989-27-5	84,0 - 95,0	Flam. Liq. 3 / H226 Skin Irrit. 2 / H315 Skin Sens. 1 / H317 Aquatic Acute 1 / H400 Aquatic Chronic 1 / H410
MYRCENE	EINECS NO: 204-622-5 CAS NO: 123-35-3	< 3,0	Flam. Liq. 3 / H226 Skin Irrit. 2 / H315 Eye Irrit. 2 / H319 Asp. Tox. 1 / H304 Aquatic Acute 1 / H400 Aquatic Chronic 2 / H411
LINALOOL	EINECS NO: 201-134-4 CAS NO: 78-70-6	0,1 – 1,0	Eye Irrit. 2A (H319) Skin Sens. 1B (H317) Skin Irrit. 2 (H315)
HYDROCARBONS	EINECS NO: - CAS NO: -	< 93,0	Acute Tox. 4, H302 Acute Tox. 4, H312
ALPHA PINENE	EINECS NO: 201-291-9 CAS NO: 80-56-8	< 2,0	Flam. Liq. 3 – H226 Skin Sens. 1 – H317 Skin Irrit. 2 – H315 Asp. Tox. 1 – H304 Aquatic Acute 1 – H400 Aquatic Chronic 1 – H410
DECANAL	EINECS NO: 203-957-4 CAS NO: 112-31-2	0,1 – 1,0	Eye .irrit, Cat. 2A; H319 Aquatic Acute 3 – H402 Flam. Liq. 4 - H227
OCTANAL	EINECS NO: 204-683-8 CAS NO: 124-13-0	Up to 2,0	Flam. Liq. 3 - H226 Skin Irrit. 2 – H315 Eye .irrit, Cat. 2A; H319 Aquatic Acute 2 – H401 Aquatic Chronic 2 – H411



4. First Aid Measures

4.1. Description of first aid measures



- | | | |
|---|---|---|
| - General notes | : | If you feel unwell, seek medical attention (show the label if possible). Immediately remove clothing contaminated with the product. |
| - Following inhalation | : | Move the exposed person immediately from the source of exposure to fresh air. If symptoms persist, seek medical attention. |
| - Following skin contact | : | Wash the affected area thoroughly with soap and water. Remove contaminated clothing. If skin irritation persists, consult a doctor. |
| - Following eye contact | : | Rinse immediately with plenty of water for up to 15 minutes by removing the contact lenses. Seek medical attention immediately. Continue rinsing. |
| - Following ingestion | : | Call a doctor immediately. Do not induce vomiting. In case of vomiting, be aware of the risk of inhalation. |
| - Self-protection of first aid provider | : | No data available. |

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

- | | | |
|----------|---|---|
| Symptoms | : | Aspiration hazard, Irritation, Allergic reactions |
| Effects | : | No other information available |

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

- | | | |
|-----------|---|--|
| Treatment | : | There is no specific antidote.
Treat symptomatically. |
|-----------|---|--|

5. Fire-fighting Measures

5.1. Extinguishing media

- | | | |
|------------------------------|---|---|
| Suitable extinguishing media | : | spray, alcohol-resistant foam, dry extinguishing powder, BC-powder, carbon dioxide (CO ₂) |
|------------------------------|---|---|



Unsuitable : water jet
extinguishing media

5.2. Special hazards arising from the substance or mixture

Hazardous combustion products	Combustible. In case of insufficient ventilation and/or when used, it may form a flammable or explosive vapor-air mixture. Solvent vapors are heavier than air and can spread across floors.
Hazardous combustion products	Carbon monoxide (CO), Carbon dioxide (CO ₂), Combustion may release toxic gases containing carbon monoxide.
Specific hazards during fire-fighting	: Containers can build up pressure when exposed to heat (fire).

5.3. Advice for firefighters

Special protective equipment for firefighters	: Do not inhale smoke in case of fire and/or explosion. Do not allow extinguishing water to enter drains or water sources. Extinguish the fire with the usual precautions from a reasonable distance. Wear a self-contained breathing apparatus.
additional information	: Cool affected containers with water spray. Separately collect the contaminated fire extinguishing water. It should not enter drains. Dispose of fire debris and contaminated fire extinguishing water in accordance with official regulations.

6. Accidental Release Measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For personnel not responsible for emergencies

Personal precautions, protective equipment and procedures	: Wear appropriate protective equipment (including the personal protective equipment listed in section 8 of the safety data sheet) to prevent contamination of skin, eyes and
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personal clothing. Do not breathe vapor/aerosol. Avoid ignition sources.

6.1.2. For the persons responsible for emergencies

Wear personal protective equipment. Ensure adequate ventilation. Unprotected persons are not allowed. Avoid contact with eyes and skin. Avoid breathing fumes. Keep ignition sources away.

6.2. Environmental precautions

Environmental precautions	:	Protect against contamination of drains, surface and ground water. Save the contaminated wash water and dispose it of. Danger of explosion.
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6.3. Methods and materials for containment and cleaning up

- | | | |
|--------------------------|---|--|
| 6.3.1. For containment | : | Covering of drains. Should be mechanically absorbed with a binding material (sand, diatomite, acid binding agent or universal). |
| 6.3.2. For cleanup | : | Should be mechanically absorbed with a binding material (sand, diatomite, acid binding agent or universal). Place in appropriate containers for disposal. Ventilate the affected area. |
| 6.3.3. Other information | : | Keep away from sources of ignition. Do not smoke and avoid flames. |

6.4. Reference to other sections

For personal protection see section 8.

7. Handling and Storage

7.1. Precautions for safe handling

- | | | |
|------------------------|---|---|
| Precautions | : | Ensure adequate ventilation. Always wash hands after work. Remove and wash contaminated clothing before reuse. Remove contaminated clothing and protective equipment before entering eating areas. |
| Fire-fighting measures | : | Keep away from sources of ignition. No smoking. Take precautions against discharging static electricity. Work in well-ventilated areas. Prevent formation of flammable or explosive concentrations in air and avoid vapor |



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concentrations above occupational exposure limits. Keep packages tightly closed and away from sources of heat, sparks and open flames. Do not use tools that may cause sparks. Never open packages under pressure.

Measures to avoid transformation into aerosols and powder : Ensure adequate ventilation of the working area.

Environmental precautions : Do not allow it to enter drains or water. In case of penetration into water or sewerage, inform the competent authorities.

Advice on general occupational hygiene : Wash your hands before breaks and at the end of the working day. Avoid eye and skin contact.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures and storage conditions : Store only in unopened original containers. Keep the container tightly closed in a dry and well-ventilated place. Keep away from food and drink, including for animals. Keep away from all sources of ignition, heat and direct sunlight.

Packing materials : Use packaging materials allowing the integrity of the product. Always store in packaging made of identical material to the original.

Incompatible substances, mixtures : Follow the combined storage guidelines.

Requirements to storage areas or containers : Use local and general ventilation. Store in a dark and cool place, away from oxidizers. Storage at: 15 – 25 °C.

Storage class : 3

Classification according to : Flammable
Betriebsicherheitsverordnung
(BetrichV)



Recommendations for fire and :
explosion protection

Keep away from sources of ignition - do not smoke. Vapors may combine with air to form an explosive mixture. Wetted solids (e.g. cloth, cellulose, filter panel, binder) should be stored hermetically closed and/or soaked and disposed of properly. Keep ignition sources away. No smoking. Protection against electrostatic charges. Grounding/ equipotential connection of container and receiving device.

Recommendations for :
primary storage

Keep away from combustible materials. Keep container tightly closed.

Recommendations for :
primary storage

It is recommended that the packaging and storage conditions according to ISO/TS 210:2015 are observed.

7.3. Specific end use(s)

Recommendations :

Read the label before use.

Solutions specific to the :
industrial sector

No information available.

Specific use(s) :

Used in perfumery and cosmetics by itself or as a formulation constituent, included in a composition.

Additional information:

Follow the regulation relative to the application:
• The cosmetics product regulations if advertised as cosmetics (for instance perfume, highly diluted essential oils for use on the body as massage oils or bath supplements).

8. Exposure controls/Personal protection equipment

8.1. Control parameters

National limit values

Occupational exposure limits (Workplace exposure limits)

No data available.

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



D-Limonene

<i>France</i> <i>TWA: 1000 mg/m³</i> <i>STEL: 1500 mg/m³</i>	<i>Germany</i> <i>TWA: 5ppm</i> <i>STEL: 1500 mg/m³</i> <i>TWA: 28 mg/m³</i> <i>Ceiling / Peak: 20 ppm</i> <i>Ceiling / Peak: 112 mg/m³</i>
<i>Finland</i> <i>TWA: 25ppm -</i> <i>TWA: 140 mg/m³</i> <i>STEL: 50ppm</i> <i>STEL: 280 mg/m³</i>	<i>Switzerland</i> <i>TWA: 25ppm -</i> <i>TWA: 140 mg/m³</i> <i>TEL: 37.5 ppm</i> <i>STEL: 175 mg/m³</i>

Human health values

End point	Threshold level	Target of protection, route of exposure	Used in	Exposure period
DNEL	31,1 mg/m ³	human, inhalation	industrial worker	chronic - systemic effects
DNEL	8,89 mg/kg body weight/day	human, dermal	industrial worker	chronic - systemic effects

Relevant DNEL - mixture components D-Limonene

End point	Threshold level	Target of protection, route of exposure	Used in	Exposure period
DNEL	66,7 mg/m ³	human, inhalation	industrial worker	chronic - systemic effects
DNEL	9,5 mg/kg body weight/day	human, dermal	industrial worker	chronic - systemic effects

Environmental values

End point	Threshold level	Organism	Environmental component	Exposure period
PNEC	5,4µg/l	Aquatic organisms	freshwater	transient (instant)
PNEC	0,54 µg/l	Aquatic organisms	sea water	transient (instant)
PNEC	2,1 mg/l	Aquatic organisms	Treatment plant STP	transient (instant)
PNEC	1,3 mg/kg	Aquatic organisms	Sediments in freshwater	transient (instant)
PNEC	0,13 mg/kg	Aquatic organisms	Marine sediments	transient (instant)
PNEC	0,29 mg/kg	Terrestrial organisms	soil	transient (instant)

Other occupational exposure limit values

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/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: 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/KG BODY 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: PNEC:	SOIL. 0.327MG/KG
ENVIRONMENTAL COMPARTMENT: PNEC:	FRESH WATER. 0.2MG/L
ENVIRONMENTAL COMPARTMENT: PNEC:	SEA WATER. 0.02MG/L
ENVIRONMENTAL COMPARTMENT: PNEC:	INTERMITTENT WASTE WATER. 2MG/L
ENVIRONMENTAL COMPARTMENT: PNEC:	FRESH WATER SEDIMENT. 2.22MG/KG
ENVIRONMENTAL COMPARTMENT: PNEC:	MARINE SEDIMENT. 0.222MG/KG
ENVIRONMENTAL COMPARTMENT: PNEC:	WASTE WATER TREATMENT PLANT. 10MG/L

8.2. Exposition controls

8.2.1. Appropriate engineering control

Measures related to the substance/
mixture to prevent exposure during
identified uses :

Use personal protective equipment depending on the concentration and quantity of the hazardous substance. Store away from food, drink and feed. Wash hands before breaks and at the end of work. Avoid skin contact. Avoid contact with eyes and skin. Provide an eyewash station. Provide adequate ventilation. Good personal hygiene practices are always recommended, especially when handling chemicals/oils. Use personal protective equipment that is clean and properly maintained. Store personal protective equipment in a clean area away from the work area. Never eat, drink or smoke during use. Remove and wash contaminated clothing before reuse. Make sure there is adequate ventilation, especially in enclosed areas.



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8.2.2. Personal protective equipment:

8.2.2.1. Eyes and face protection : Use safety masks with side protection. Tight-fitting goggles according to EN 166:2001



8.2.2.2. Skin protection

Hand protection : Preventive skin protection by using skin protection products is recommended. Use protective gloves. Material of gloves: The selection of suitable gloves depends not only on the material, but also on other quality marks and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material cannot be calculated in advance and must be checked before application. Penetration time of glove material: >480 minutes at 0.425 mm layer thickness (Sol-Vex (37-695) from Ansell). For permanent contact, gloves made of the following materials are suitable: Nitrile rubber, NBR (e.g. the following product: Sol-Vex (37-695) from Ansell. As protection against splashes, gloves made of the following materials are suitable: PVC gloves.

Other skin protection : Protective work clothing.



8.2.2.3. Respiratory tract protection

: Appropriate respiratory protection: filter class A2 (brown color). Use the rules for respiratory protection systems application.

8.2.2.4. Thermal hazards : None known.

8.2.3. Environmental exposure control: Avoid discharge into drains. Eliminate only through authorized companies.

Measures related to the substance/ mixture, to avoid exposure : No data available



Training measures
required to avoid exposure : Staff training as per internal schedule.

Organization measures to avoid
Exposure : Staff training

Technical measures to avoid
Exposure : Staff training

Environmental exposure controls

Basic guidelines : Protect against contamination of drains, surface and ground water.

9. Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Appearance/type : The substance is a clear mobile liquid at 20 degrees Celsius and a cloudy mobile liquid at -25 degrees Celsius after 72 hours. /When static and cooled, it releases a wax-like sediment, which disappears when heated./

Colour : pale yellow to yellow green

Odour : The characteristic grapefruit smell, reminiscent of orange oil with a note of citronella.

Content of carbonyl compounds
such as decanal in % at least : 1,0

Residue after evaporation in % : 5,0 – 10,0

Odor threshold : no information

pH : no information

Melting point/freezing point
in °C : <-25 °C at 1.013 hPa (ECHA)

Boiling point in °C : ~170.0 ± 10.0 @ 1029 hPa

Boiling point / boiling range : 160 °C at 1.019 hPa (ECHA)



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Evaporation rate	:	No information
Flammability (solid substance, gas)	:	flammable liquid according to GHS criteria
Ignition temperature, in °C	:	54,8
Auto-ignition temperature, in °C	:	> 235,0°C
Upper flammability/explosion limit	:	39 g/m ³
Lower flammability/explosion limit	:	345 g/m ³ / 0,7 volumetric % - 6,1 volumetric %
Vapour pressure at 25°C	:	195,4 Pa
Solubility (s)	:	Dissolves in 95% ethyl alcohol, propylene glycol, glyceride and mineral oils /often with clouding/.
Insoluble in	:	glycerin, water The water solubility range of the known constituents of grapefruit oil was found to be 0.54 - 1101 mg/l at 25 degrees Celsius.
Partition coefficient n-octanol/water Log/Pow	:	≥2,78 – ≤6,3 (pH value: 7, 25 °C) (ECHA)
Auto-ignition temperature	:	no information
Decomposition temperature	:	not applicable
Explosive properties	:	No information
Oxidizing properties	:	None
Characterization of particles	:	not applicable (liquid)
Density	:	0,853 g/cm ³ at 20 °C

Other information

Refraction index at n ⁴⁰ /d	:	1.470 - 1.480
Relative density at d ⁴⁰	:	0.840 to 0.860



Optical rotation	:	+90.0 to +96.0
Temperature class (EU, ATEX compliant)	:	T3 Maximum permissible surface temperature of the equipment: 200°C

No other information available.

10. Stability and Reactivity

Note	:	The oil is stable under normal storage conditions. Once opened, it is susceptible to air oxidation and may start to deteriorate after twelve months.
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10.1. Reactivity

Note	:	It is a reactive substance. Risk of ignition.
When heated	:	Risk of ignition. Vapors may form explosive mixtures with Vapors may form explosive mixtures with air.

10.2. Chemical stability

Note	:	The material is resistant to temperature and pressure or in the usual environment and under the foreseeable conditions of storage and operation.
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10.3. Possible hazardous reactions

Hazardous reactions	:	Formation of an explosive gas mixture with air is possible. In case of unfavorable storage conditions (air leakage, heat build-up) self-ignition of moistened solids (e.g. cloth, cellulose, filter panel, binder) is possible. Reacts violently with oxidizing agents.
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10.4. Conditions to avoid

Conditions to avoid	:	Keep away from heat, hot surfaces, sparks, open flame and other ignition sources. Smoking prohibited.
Avoid	:	build-up of electrostatic charges, heating, flames and hot Surfaces
Thermal decomposition	:	Heating causes evaporation and the formation of a flammable atmosphere is possible.



10.5. Incompatible materials

Materials to avoid : Combustible materials. Strong oxidizers.

10.6. Hazardous decomposition products

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

11. Toxicological Information

Liquid may irritate skin and eyes. Contains D'Limonene (CAS: 5989-27-5), a known sensitizer.

11.1. Information on toxicological effects

Acute toxicity

Acute oral toxicity: LD50 > 5000 mg/kg body weight (standard acute method, limit test; similar to OECD 401)

Acute dermal toxicity: LD50 > 5000 mg/kg body weight (standard acute method, limit test; similar to OECD 402)

HYDROCARBONS

ORAL ROUTE: LD50=800MG/KG

D-Limonene(Cas:5989-27-5)

Oral Route:Ld50= 4,400 - 5,10mg/Kg

Species :Rat

D-LIMONENE(CAS:5989-27-5)

ORAL ROUTE: LD50= 4,400 - 5,10MG/KG

SPECIES : Rat

Decanal

Oral route: DL50 = 3750 mg/kg

LINALOOL(CAS:78-70-6)

ORAL ROUTE: LD50=2200MG/KG

SPECIES: MOUSE

OECDGUIDELINE 401(ACUTE ORAL TOXICITY)

Notes : Causes eye, skin and mucous membrane irritation.



Based on the available information, it has been proven that grapefruit oil has low acute toxicity when applied orally and dermally. Therefore, the substance grapefruit oil does not need to be classified for acute toxicity according to the criteria set out in Annex I of 1272/2008/EC (CLP/EU-GHS).

Corrosion/Skin irritation

HYDROCARBONS

ORAL ROUTE: LD50=1300MG/KG

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)

D-LIMONENE(CAS:5989-27-5)

ORAL ROUTE: LD50= > 5000MG/KG

SPECIES : Rabbit

D-LIMONENE(CAS:5989-27-5)

ORAL ROUTE: LD50= > 5,600 - 6000MG/KG

SPECIES : Mouse

Notes : Causes skin irritation.
May cause irreversible skin damage; namely inflammation of the skin or formation of erythema and eschar or edema after exposure for up to four hours.

Serious damage/eye irritation

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



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SPECIES : RABBIT

DURATION OF EXPOSURE : 24H OECD GUIDELINE 405 (ACUTE EYE IRRITATION / CORROSION)

Result : Not to be classified as seriously damaging to the eyes or irritating to the eyes.

Respiratory or skin sensitization

Note : Under the test conditions, d-limonene is classified as "H317 May cause sensitization by skin contact" "Category 1" according to CLP Regulation (EC) N ° (1272-2008).

Ingestion

Note : no data.

Mutagenicity of germ cells

Note : Not to be classified as germ cell mutagenic.

Carcinogenicity

Note : CAS 5989-27-5: IARC group 3: The agent cannot be classified as to its carcinogenicity to humans.

Summary of the assessment of CMR properties

Note : Not to be classified as toxic for reproduction

STOT (specific target organ toxicity) — single exposure

Note : Not to be classified as specific target organ toxicity (single exposure).

STOT (specific target organ toxicity) — repeated exposure

Note : Not to be classified as specific target organ toxicity (repeated exposure).

Aspiration hazard

Note : Aspiration toxicity includes severe acute effects such as



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chemical pneumonia, varying degrees of lung injury or death after aspiration. May be fatal if swallowed and enters the respiratory tract.

Information on possible routes of exposure

Note : No data.

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

Eye contact : No data available.

In case of skin contact : Causes skin irritation, May cause allergic reactions, itching, local redness

Ingestion : May cause irritation, abdominal pain, nausea, vomiting, diarrhea and dizziness.

Inhalation : May irritate respiratory tract, may cause throatache, cough, shortness of breath, dizziness and nausea.

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 considerations

Note : 0.5 - 5.0 g/kg can cause human death.

Individuals with a rash are referred to a skin specialist for a testing of allergic eczema.

Other information

Note : No other information available.

11.2. Properties disturbing the functions of the endocrine system

Note : No information available

12. Ecological information

Note : Harmful to aquatic organisms with a long-lasting effect.

12.1. Toxicity

Product:

Acute (short-term) toxicity:

Fish

Grapefruit oil

LL50 5,65 mg/l fish 96 h

D-(+)- limonene 5989-27-5

LC50 0,46 mg/l fish 96 h

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

Grapefruit oil

EL50 1,4 mg/l aquatic invertebrates24 h

D-(+)-limonene 5989-27-5

EC50 0,307 mg/l aquatic invertebrates48 h

Myrcene 123-35-3

EC50 1,47 mg/l aquatic invertebrates48 h

Linalool (Cas:78-70-6)



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Crustacean Toxicity *Duration Of Exposure :48h*
Ec50=59mg/L
Species :Daphnia Magna Oecdguideline 202 (Daphnia Sp.Acute)

Algae/aquatic plants

Note : EC50: 14,0 mg / l (48h) calculated value
(source RIFM).

D-(+)- limonene 5989-27-5
ErC50 0,32 mg/l alga 72 h

Myrcene 123-35-3
EC50 0,31 mg/l alga 72 h

Myrcene 123-35-3
ErC50 0,342 mg/l alga 72 h

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

Chronic (long-term) toxicity:

Note : no data

Fish

D-(+)-limonene 5989-27-5
EC50 <0,67 mg/l fish 8 d

Linalool
EC50 >100 mg/l microorganisms ECHA 30 min

Shellfish

D-(+)-limonene 5989-27-5
EC50 188 µg/l aquatic invertebrates 21 d



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Algae/aquatic plants

Note : no data

Other organisms

Note : no data

12.2. Persistence and degradability

Product:

Abiotic degradation

Mixture components degradation						
Substance name	CAS №	Process	Abiotic degradation	Time	Method	Source
D-(+)-limonene	5989-27-5	carbon dioxide generation	58,8 %	14 d		ECHA
D-(+)-limonene	5989-27-5	oxygen depletion	80 %	28 d		ECHA
Myrcene	123-35-3	oxygen depletion	76 %	28 d		ECHA

Physical and photo-chemical elimination

Note : no data

Biochemical degradation

Biodegradation : The substance is directly biodegradable.

12.3. Bioaccumulation

Product: The substance fulfills the criterion of being very bioaccumulative

Partition coefficient n-octanol/water (log Kow)

n-octanol/water (log KOW)	≥2,78 – ≤6,3 (pH value: 7, 25 °C) (ECHA)
Bioaccumulation of the mixture components	

Substance name	CAS №	BCF	Log KOW	BOD5/COD
D-(+)-limonene	5989-27-5		4,38 (pH value: 7,2, 37 °C)	
Myrcene	123-35-3		4,82 (pH value: ~6,5, 30 °C)	
Linalool	78-70-6		2,9 (pH value: 7, 20 °C)	

Bioconcentration factor (BCF)

Notes : Not accumulated in the biological environment

12.4. Mobility in soil

Product: No data available

Known or predicted distribution in environmental components

Note : no data

Surface tension

Note : No data

Adsorption/desorption

Note : no data

12.5. Results of PBT and vPvB assessment

This product doesn't contain substances considered persistent, bioaccumulative, nor toxic PBT.

Product:

Results from PBT and vPvB assessment

Notes : No information available

12.6. Other adverse effects

Product:

Biochemical oxygen demand (BOD)

Value : No information available

Chemical oxygen demand (BOD)

Value : No information available

Additional ecological information/Mobility in soil

Notes : No information available

12.7. Additional information

Notes : Do not allow products to enter streams, drains or other waterways.

13. Disposal Considerations

13.1. Waste treatment methods

13.1.1. Disposal of product/packing

Codes/designation of waste according to LoW: -

Product	Treat this material and its packaging as hazardous waste. Dispose of contents/container in accordance with the local/regional/national/ international regulation.
Contaminated packaging	Empty contaminated packaging thoroughly. They can be recycled after thorough and proper cleaning. Packaging that cannot be cleaned is disposed of in the same way as the product.
Contaminated solids	Recommendation: Solids (e.g. cloth, cellulose, filter panels, binder) may be incinerated after consultation with the operator of the waste disposal facility and relevant authorities and in accordance with the necessary technical regulations. European waste catalogue: e.g. 15 02 02 Filter and absorbent materials contaminated with hazardous agents.
European Catalogue waste number	* 16 03 05 organic waste containing hazardous substances

13.1.2. Information on waste treatment : No special requirements.

13.1.3. Information on discharge in sewer systems : Do not discharge into drains,
Do not allow discharge into the environment.

13.1.4. Other recommendations for waste disposal : No data available.

14. UN proper shipping name

Class 3

14.1. UN proper shipping name

ADR/RID/ADN UN 1197
IMDG Code UN 1197
ICAO-TI UN 1197

14.2. UN proper shipping name

ADR/RID/ADN EXTRACTS, AROMATIC, LIQUID
IMDG Code EXTRACTS, AROMATIC, LIQUID
ICAO-TI Extracts, aromatic, liquid

UN1197 CITRUS PARADISI PEEL OIL

14.3. Transport hazard class(es)

ADR/RID/ADN 3
IMDG Code 3
ICAO-TI 3

14.4. Packing group

ADR/RID/ADN II
IMDG Code II
ICAO-TI II

14.5. Environmental hazards - Harmful to aquatic life



14.6. Special precautions for user



Dangerous goods regulations (ADR) must be followed within the sites.

14.7. Sea transport of cargo in bulk according to instruments of the International Maritime Organization



The cargo is not intended for transport in bulk.

14.8. Information on all UN Model rules

Road, rail and inland water transport of dangerous goods (ADR/RID/ADN) - Additional information

Proper shipping name	EXTRACTS, AROMATIC, LIQUID
Details in the transport document	UN1197, EXTRACTS, AROMATIC, LIQUID, 3, II, (D/E), environmental hazard
Classification code	F1
Hazard label(s).	3, "Fish and wood"
 	
Environmental hazards	yes (Harmful to aquatic life)
Special provisions (SP)	601
Excluded quantities (EQ)	E1
Limited quantities (LQ)	5 L
Transport category (TC)	3
Tunnel restrictions code (TRC)	D/E
Identif. Hazard No	30

International Maritime Dangerous Goods Code (IMDG) - Additional information

Proper shipping name	EXTRACTS, AROMATIC, LIQUID
The details as per the shipper's declaration	UN1197, EXTRACTS, AROMATIC, LIQUID, (D-+)- Limonene), 3, III, 54,8°C c.c., MARINE POLLUTANT
Marine pollutant	yes (Harmful to aquatic life), (D-+)- Limonene)
Hazard label(s).	3, "Fish and wood"
 	
Special provisions(SP)	223, 955
Excluded quantities(EQ)	E1
Limited quantities(LQ)	5 L
EmS	F-E, S-D
Storage category	A

International Civil Aviation Organization (ICAO-IATA/DGR) -Additional information

Proper shipping name	Extracts, aromatic, liquid
The details as per the shipper's declaration	UN1179, Extracts, aromatic, liquid, 3, III
Environmental hazards	yes (Harmful to aquatic life)

Hazard label(s).

3



Special provisions(SP)

A3

Excluded quantities(EQ)

E1

Limited quantities(LQ)

10 L

15. Regulatory information

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

The relevant European Union (EU) regulations

Restrictions according to REACH Annex XVII

Hazardous substances with restrictions (REACH, Annex XVII)				
Substance name	Name in accordance with the inventory	CAS №	Restriction	№
Grapefruit Oil	this product meets the criteria for classification according to Regulation № 1272/2008/ EC		R3	3
Myrcene	flammable / pyrophoric		R40	40
D-(+)-limonene	flammable / pyrophoric		R40	40

Legend

R3 1. Shall not be used in:

- ornamental articles intended to produce light or colour effects by means of different phases, for example in ornamental lamps and ashtrays;
- tricks and jokes;
- games for one or more participants, or any article intended to be used as such, even with ornamental aspects.

2. Articles not complying with paragraph 1 shall not be placed on the market.

3. Shall not be placed on the market if they contain a colouring agent, unless required for fiscal reasons, or perfume, or both, if they:

- can be used as fuel in decorative oil lamps for supply to the general public, and,
- present an aspiration hazard and are labelled with risk phrase H304.

4. Decorative oil lamps for supply to the general public shall not be placed on the market unless they conform to the European Standard on Decorative oil lamps (EN 14059) adopted by the European Committee for Standardisation (CEN).

5. Without prejudice to the implementation of other Community provisions relating to the classification, packaging and labelling of dangerous substances and mixtures, suppliers shall ensure, before the placing on the market, that the following requirements are met:

a) lamp oils, labelled with risk phrase H304, intended for supply to the general public are visibly, legibly and indelibly marked as follows: "Keep lamps filled with this liquid out of the reach of children"; and, by 1 December 2010, "Just a sip of lamp oil — or even sucking the wick of lamps — may lead to life-threatening lung damage";

b) grill lighter fluids, labelled with risk phrase H304, intended for supply to the general public are legibly and indelibly marked by 1 December 2010 as follows: "Just a sip of grill lighter may lead to life threatening lung damage";

c) lamp oils and grill lighters, labelled with risk phrase H304, intended for supply to the general public are packaged in black opaque containers not exceeding 1 litre by 1 December 2010;
R40 1. Shall not be used, as substance or as mixtures in aerosol dispensers where these aerosol dispensers are intended for supply to the general public for entertainment and decorative purposes such as the following:

- metallic glitter intended mainly for decoration,
- artificial snow and frost,
- 'whoopie' cushions,
- silly string aerosols,
- imitation excrement,
- horns for parties,
- decorative flakes and foams,
- artificial cobwebs,
- stink bombs.

2. Without prejudice to the application of other Community provisions on the classification, packaging and labelling of substances, suppliers shall ensure before the placing on the market that the packaging of aerosol dispensers referred to above is marked visibly, legibly and indelibly with:
'For professional users only'.

3. By way of derogation, paragraphs 1 and 2 shall not apply to the aerosol dispensers referred to Article 8 (1a) of Council Directive 75/324/EEC (2).

4. The aerosol dispensers referred to in paragraphs 1 and 2 shall not be placed on the market unless they conform to the requirements indicated.

List of substances subject to authorization (REACH, Annex XIV)/SVHC - list of candidate substances

Not listed.

Seveso Directive

2012/18/EC (Seveso III)			
No	Hazardous substance/hazard categories	Threshold quantity (in tonnes) for the application of the requirements at low and high risk potential	Notes
E2	environmental hazards (hazardous to the aquatic environment, cat. 2)	200 500	57)

Notation

57) Hazardous to the aquatic environment in the category Chronic hazard, category 2

Deco-Paint Directive

VOC content

27 %
230,3^g/l

Directive on industrial emissions

VOC content	27 %
VOC content	230,3 ^g /l

Directive on the restriction of the use of certain hazardous substances in electrical and electronic equipment (RoHS)



Not listed

Regulation concerning the establishment of a European Pollutant Release and Transfer Register (PRTR)

Not listed.

Water Framework Directive (WFD)

List of pollutants (WFD)				
Substance name	Name in accordance with the inventory	CAS №	Listed in	Notes
Myrcene	Substances and preparations or constituents thereof that have proven carcinogenic or mutagenic properties or properties that may affect steroids, thyroid, reproduction or other endocrine functions in or through the aquatic environment		A)	

Other regulations / Laws : This safety data sheet is consistent with the Law on Protection from Harmful Effects of chemical Substances and Preparations and the Ordinance on the Classification, Packaging and Labelling

EU legislative acts : accordingly, EU regulations.

Permits or restrictions for use Youth work restriction should be observed

Permissions Not required

Restrictions on use No information

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 information

15.2. Chemical Safety Assessment

No information.

The supplier has 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]

Specifying the changes : Classification, change of allergens and additional information about the product based on gas-chromatographic analysis and latest changes.

Abbreviations and acronyms:

Abbreviations	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)
Aquatic Chronic 2	Harmful to aquatic life - chronic hazard
Asp Tox 1	Aspiration hazard
BCF	bioconcentration factor
BOD	Biochemical Oxygen Demand
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)
COD	Chemical oxygen demand
DGR	Dangerous Goods Regulations (see IATA/DGR))
DMEL	Derived Minimal Effect Level
DNEL	Derived No-Effect Level
EINECS	European Inventory of Existing Commercial Chemical Substances
ELINCS	European List of Notified Chemical Substances
EmS	Emergency Schedule
Flam,liq	Flammable liquid
GHS	"Globally Harmonized System of Classification and Labelling of Chemicals", developed by the United Nations

IATA	International Air Transport Association
IATA/DGR	Dangerous Goods Regulations (DGR) for the air transport (IATA)
ICAO	International Civil Aviation Organization
IMDG	International Maritime Dangerous Goods Code
log KOW	n-octanol/water
MARPOL	International Convention on Prevention of Pollution from Ships (abbr. to "Marine Pollutant)
NLP	A substance that no longer has the properties of a polymer
PBT	Persistent, bioaccumulative and toxic
PNEC	Predicted No-Effect Concentration
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)
Corrosion/irritation 2	Skin irritation
Skin Sens.	skin sensitization
vPvB	very Persistent and very Bioaccumulative
EO № EU List	(EINECS, ELINCS и NLP-list) is the source for the seven-digit EC number, identifier of substances in the commercial network within the EU (European Union)
Index №	the index number is the identification code given to the substance in Part 3 of Annex VI to Regulation (EC) No 1272/2008
VOC	Volatile Organic Compounds

Main references and sources of data in the literature

- Regulation (EC) No 1907/2006 (REACH), as amended by (EU) 2020/878
- 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
H226	Flammable liquid and vapour
H304	May be fatal if swallowed and enters airways
H315	Causes skin irritation
H317	May cause an allergic skin reaction
H411	Toxic to aquatic life with long lasting effects
EUH 208	Contains Limonene, Myrcene, Linalool. May cause an allergic reaction.
	List of safe handling instructions used in the safety document
P102	Keep out of reach of children
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P241	Use explosion-proof [electrical/ventilating/lighting/...] equipment.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P262	Do not get in eyes, on skin, or on clothing.
P273	Avoid release to the environment.



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P280	Wear protective gloves/protective clothing/eye protection/face protection.
P301 + P310	IF SWALLOWED: Immediately call a POISON CENTER/doctor/...
P331	Do NOT induce vomiting
P303 + P361 + P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
P331	Do NOT induce vomiting.
P302 + P352	IF ON SKIN: Wash with plenty of water/...
P391	Collect spillage
P403+P235	Store in a well-ventilated place. Keep cool.
P405	Store locked up
P501	Dispose of contents / container at an approved disposal site in accordance with 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 it 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.

END!



LIST OF 26 ALLERGEN SUBSTANCES / ANNEX III TO REGULATION (EC) NO 1223/2009

Customer: „ALTEYA ORGANICS” LLC – 1. “Rozovarna” St., Yagoda village, 6167, Stara Zagora
salesbg@alteya.com, <http://alteya.com>, +359 700 15 502

Name of product: Organic Grapefruit Oil (Citrus Paradisi Peel Oil)

	NAME OF SUBSTANCES	REMARK	CAS №	EINECS №	NATURAL %	SYNTHETIC %	TOTAL %
1	AMYL CINNAMAL	H317; H411	122-40-7	204-541-5	-	-	-
2	AMYL CINNAMYL 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	92,5	-	92,5
22	LINALOOL	H315	78-70-6	201-134-4	0,9	-	0,9
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 (TREMOSSE EXTRACT)	H317	90028-67-4	289-860-8	-	-	-
26	EVERNIA PRUNASTRI (OAK MOSS)	H317	90028-68-5	289-861-3	-	-	-

According to Regulation EO 1223/2009 is hereby amended as follows:

The presence of the substance must be indicated in the list of ingredients referred to in Article 6(1)(g) when its concentration exceeds:— **0,001 %** in “leave-on” products, (and)— **0,01 %** in “rinse-off” products