



Material safety data sheet
According to EU Regulation 1907/2006 in the current version
Pure Grapefruit Essential Oil

1. Identification of the substance/mixture and company

Trade name: Pure Grapefruit Essential Oil
Cold expression of the fresh pericarp of the fruit, 100% pure and natural
INCI Citrus paradisi peel oil
CAS No. : 8016-20-4 / 90045-43-5
EINESCS No. : 289-904-6
REACH pre-registration No. : -
Utilization: Raw material for cosmetic or professional use
Supplier company identification: **Elemental SRL**, Piața Cazărmii no.15, 410188-Oradea, jud.Bihor, Romania
Tel/Fax: +40259-436.755, www.elemental.eu
Emergency: RO: număr național pentru cazuri de urgență: 021 3183606 Institutul de Sănătate Publică București.
International emergency number: +49 180 2273-112

2. Hazards Identification

2.1 Classification of the substance or mixture

GHS Classification : (Regulation CLP)

AH1 Aspiration hazard 1
EHA1 Hazardous to the aquatic environment, acute hazard 1
EHC1 Hazardous to the aquatic environment, long-term hazard 1
FL3 Flammable Liquids 3
SCI2 Skin corrosion / irritation 2
SS1 Sensitization skin 1
H226 - Flammable liquid and vapor.
H304 - May be fatal if swallowed and enters airways.
H315 - Causes skin irritation.
H317 - May cause an allergic skin reaction.
H400 - Very toxic to aquatic life.
H410 - Very toxic to aquatic life with long lasting effects.

2.2 Label elements

Hazard pictograms	
Hazard categories	AH1 Aspiration hazard 1 EHA1 Hazardous to the aquatic environment, acute hazard 1 EHC1 Hazardous to the aquatic environment, long-term hazard 1 FL3 Flammable Liquids 3 SCI2 Skin corrosion / irritation 2 SS1 Skin sensitization, 1



Material safety data sheet
According to EU Regulation 1907/2006 in the current version
Pure Grapefruit Essential Oil

Hazard statements	H226 - Flammable liquid and vapor. H304 - May be fatal if swallowed and enters airways. H315 - Causes skin irritation. H317 - May cause an allergic skin reaction. H410 - Very toxic to aquatic life with long lasting effects.
Precautionary statements	P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P273 - Avoid release to the environment. P280 - Wear protective gloves/protective clothing/eye protection/face protection. P301+P310 - IF SWALLOWED: Immediately call a POISON CENTER/doctor. P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. P501 - Dispose of contents/ container in accordance with local/ regional/ national/ international regulation.

2.2 Other hazards

Contains: **d-Limonene, Myrcene**

3. Declaration of ingredients

Product not concerned by the component list.

3.1. Substances

Material	C.A.S	EINECS	Risk Symbol	%
d-Limonene	5989-27-5	-	AH1, EHA1, EHC1, FL3, SCI2, SS1B - H226, H304, H315, H317, H400, H410	97.00
Myrcene	123-35-3	-	AH1, EDI2, FL3, SCI2 - H226, H304, H315, H319	4.00

3.2. Mixtures

Not concerned

4. First aid measures

4.1 Description of first aid measures

Contact with skin : Wash immediately and abundantly with water and soap. Rinse then with clear water.

Contact with eyes : Abundant rinsing with water (15 minutes open eyelids) then washing with an ocular lotion standard Dacryoserum. In case of disorder, consult an ophthalmologist.

In the event of swallowing : Do not induce vomiting, maintain the patient at rest. Resort to the medical care.



Material safety data sheet
According to EU Regulation 1907/2006 in the current version
Pure Grapefruit Essential Oil

In the event of excessive inhalation : Move the victim to fresh air. Get medical advice immediately.

Soiled clothing : Withdraw soiled clothing and re-use them only after decontamination.

5. Fire fighting measures

5.1. Extinguishing media

Recommended : foam, dry powder, carbon dioxide (CO₂)

Inadvisable : avoid full water jet

5.2. Special hazards arising from the substance or mixture

Flammability : The product is not easily flammable

Prevention: Do not smoke. Do not use flame near.

5.3. Advice for firefighters

Never use a direct stream of water.

6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Use appropriate personal protective equipment during clean-up.

6.2. Environmental precautions

Do not allow to enter sewers/ surface or ground water.

6.3. Methods and material for containment and cleaning up

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

6.4. Reference to other sections

Not concerned

7. Handling and storage

7.1. Precautions for safe handling

Close packing after use. Reproduce labeling if transferred in another container.

7.2. Conditions for safe storage, including any incompatibilities

-Avoid any useless exposure. Keep away from food and drinks.

-Preserve only in the container of origin in a clean and dry place. Keep the containers closed when not in use.

-Do not leave it near heat source, direct rays of the sun.

7.3. Specific end use(s)

Wash hands and any other area exposed with soap and water before eating, drinking, smoking and before leaving work.

8. Exposure controls / personal protection

8.1. Control parameters



Material safety data sheet
According to EU Regulation 1907/2006 in the current version
Pure Grapefruit Essential Oil

Not concerned

8.2. Exposure controls

General protective and hygienic measures: Avoid skin and eyes contact. Keep away from foodstuffs, beverages and feed. Wash hands before breaks and at the end of work.

Personal Protection :

- Hand protection: Wear gloves.
- Eye protection: Wear glasses.
- Respiratory protection : Wear a mask.
- Ingestion : Do not use, drink and smoke during use.

9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

Texture : Liquid
Color : [Yellow ; Orangey]
Odor : Sweet, fruity

9.2. Other information

Angular rotation at 20°C (°) : [+75 ; +105]
Relative density at 20°C : [0.840 ; 0.870]
Refractive index at 20°C : [1.465 ; 1.485]
Flash point (°C) : [+40 ; +55]

10. Stability and reactivity

10.1. Reactivity

Not concerned

10.2. Chemical stability

Not concerned

10.3. Possibility of hazardous reactions

Not concerned

10.4. Conditions to avoid

Not concerned

10.5. Incompatible materials

Not concerned

10.6. Hazardous decomposition products

Thermal decomposition / conditions to be avoided: Avoid contact with any flame or spark, overheating. Avoid direct rays of the sun. No decomposition if used according to specifications.

Dangerous decomposition products: No dangerous decomposition products known.

11. Toxicological information

Material safety data sheet
According to EU Regulation 1907/2006 in the current version
Pure Grapefruit Essential Oil

11.1. Information on toxicological

Toxicological Information Acute:

- **Oral**
Not determined
- **Inhalation**
Not determined
- **Skin**
Not determined

12. Ecological information

12.1. Toxicity

Do not leave the product, even diluted or in great quantity, penetrate the ground water, water or the drains.

12.2. Persistence and degradability

NOT CONCERNED

12.3. Bioaccumulative potential

NOT CONCERNED

12.4. Mobility in soil

NOT CONCERNED

12.5. Results of PBT and vPvB assessment

NOT CONCERNED

12.6. Other adverse effects

NOT CONCERNED



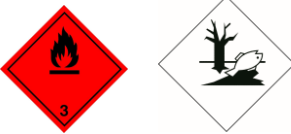
13. Disposal considerations

13.1. Waste treatment methods

Product : Recommendation : Does not have to be disposed of with waste . Do not let penetrate the sewers.

Not cleaned packing : Recommendation : Evacuation in accordance with regulations.

14. Transport information

<p>ADR / RID</p> 	<p>IMDG</p> 	<p>IATA</p> 
--	---	---

14.1. UN number

ADR : 1169 (Tunnel code(D/E))



Material safety data sheet
According to EU Regulation 1907/2006 in the current version
Pure Grapefruit Essential Oil

IMDG:1169
IATA :1169

14.2. UN proper shipping name

ADR : EXTRACTS, AROMATIC, LIQUID
IMDG: EXTRACTS, AROMATIC, LIQUID
IATA :EXTRACTS, AROMATIC, LIQUID

14.3. Transport hazard class(es)

ADR : 3
IMDG:3
IATA :3

14.4. Packing group

ADR : III
IMDG: III
IATA :III

14.5. Environmental hazards

IMDG : Marine Pollutant
Marine pollutant(s) : **d-Limonene**

14.6. Special precautions for user

Not concerned

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Not concerned

15. Regulatory information

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

Not concerned

15.2. Chemical safety assessment

Not concerned

16. Additional information

16.1. Full H sentences text in point 3 :

H226 Flammable liquid and vapor.
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.
H400 Very toxic to aquatic life.
H410 Very toxic to aquatic life with long lasting effects.



Material safety data sheet
According to EU Regulation 1907/2006 in the current version
Pure Grapefruit Essential Oil

Material security data sheet according to 2001/58/CEE.

16.2. Abbreviations:

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.
CAS: Chemical Abstracts Service (division of the American Chemical Society).
CLP: Classification, Labeling, Packaging.
DNEL: Derived No Effect Level.
EINECS: European Inventory of Existing Commercial Chemical Substances.
GHS: Globally Harmonized System of Classification and Labeling of Chemicals.
IATA: International Air Transport Association.
IATA-DGR: Dangerous Goods Regulation by the "International Air Transport Association" (IATA).
ICAO: International Civil Aviation Organization.
ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO).
IMDG: International Maritime Code for Dangerous Goods.
INCI: International Nomenclature of Cosmetic Ingredients.
LTE: Long-term exposure.
PNEC: Predicted No Effect Concentration.
RID: Regulation Concerning the International Transport of Dangerous Goods by Rail.
STE: Short-term exposure.
STEL: Short Term Exposure limit.
STOT: Specific Target Organ Toxicity.

DECLARATION OF ALLERGENS

7th Amendment to Directive 76/768/EC, annex III, part I (2003/15/EC)

Compounds	C.A.S	% Natural	% Synthetic	% Total
3 and 4-(4-Hydroxy-4-methylpentyl)-3-cyclohexene-1-carboxaldehyde	31906-04-4	-	-	-
alpha-Amylcinnamyl alcohol	101-85-9	-	-	-
alpha-Amylcinnamaldehyde	122-40-7	-	-	-
alpha-Hexylcinnamaldehyde	101-86-0	-	-	-
alpha-iso-Methylionone	127-51-5	-	-	-
Anisyl alcohol	105-13-5	-	-	-
Benzyl alcohol	100-51-6	-	-	-
Benzyl benzoate	120-51-4	-	-	-
Benzyl cinnamate	103-41-3	-	-	-
Benzyl salicylate	118-58-1	-	-	-
Cinnamaldehyde	104-55-2	-	-	-
Cinnamyl alcohol	104-54-1	-	-	-
Citral	5392-40-5	1,0000	-	1,0000



Material safety data sheet
According to EU Regulation 1907/2006 in the current version
Pure Grapefruit Essential Oil

Coumarin	91-64-5	-	-	-
dl-Citronellol	106-22-9	0,1000	-	0,1000
d-Limonene	5989-27-5	97,0000	-	97,0000
Eugenol	97-53-0	-	-	-
Farnesol	4602-84-0	-	-	-
Geraniol	106-24-1	0,5000	-	0,5000
Hydroxycitronellal	107-75-5	-	-	-
Isoeugenol	97-54-1	-	-	-
Linalool	78-70-6	0,5000	-	0,5000
Methyl 2-octynoate	111-12-6	-	-	-
Oakmoss absolute	9000-50-4, 689	-	-	-
p-t-Butyl-alpha-methylhydrocinnamic aldehyde	80-54-6	-	-	-
Treemoss (E. furfurac.)	68648-41-9, 68	-	-	-
Total :		99,1000	-	99,1000

Disclaimer:

This material safety data sheet does not constitute a guarantee of the properties of the product and is not a contractual legal report. The information is given in good faith on the basis of our best knowledge of the product at the indicated time. However, we cannot accept responsibility or liability for any consequences arising from its use, no warranty for correctness and completeness is given. We caution the users against the incurred possible risks when the product is used at other ends than the use for which it was initially planned. It is the user's responsibility during handling, storage and product use to consult the main regulatory texts in force regarding workers and environment protection.