

## Material safety data sheet

According to EU Regulation 1907/2006 in the current version

### Eucalyptus Radiata Essential Oil pure & natural

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

Trade name:	Eucalyptus Radiata Essential Oil pure & natural
	Aromatic raw material
INCI	EUCALYPTUS RADIATA LEAF/STEM OIL
CAS No. :	92201-64-4
EINECS No. :	295-995-3
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

The product is classified as dangerous according to the provisions of the Directive 67/548 / EEC and 1999/45 / EC and subsequent amendments and adjustments. It is also classified dangerous according to EC Regulation 1272/2008. The product therefore requires a safety data sheet in accordance with the provisions of the EC Regulation 1907/2006 and subsequent amendments.

CPL / GHS FL 3, ATO 5(3100), AH 1, SCI 2, EDI 2A, SS 1, EH A2,C2

SGH02, SGH09, SGH07, SGH08, H226(Flammable liquid and vapour), H302(Harmful if swallowed), 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)

P333/313(If skin irritation or a rash occurs: Get medical advice/attention), P210(Keep away from heat/sparks/open flames/hot surfaces – No smoking), P211(Do not spray on an open flame or other ignition source), P301/310(IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician), P280(Wear protective gloves/protective clothing/eye protection/face protection), P403/233(Store in a well ventilated place. Keep container tightly closed)

##### 2.2. Label elements

Hazard pictograms:



##### 2.3. Other hazards

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Contains: cineol 1.8, limonene, alpha-terpineol

### 3. Declaration of ingredients

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#### Composition

Cineol 1.8 (Eucalyptol) N°CAS : 470-82-6 N°CE : 207-431-5 <85%

R10-43 SGH02, SGH07 H226-303-316-317 FL 3, ATO 5(2480), SCI 3, SS 1B

Limonene N°CAS : 138-86-3 N°CE : 205-341-0 <7%

Xi,N R10-38-43-50/53 SGH07, SGH08, SGH09, SGH02 H304, H315, H317, H410, H226 AH 1, SCI 2, SS 1B, EH A1,C1, FL 3

alpha-Terpineol N°CAS : 98-55-5 N°CE : 202-680-6 <11.5%

Xi R36/38 SGH07 H227-303-315-319-401 ATO5(4300), SCI2, EDI2A, FL 4, EH A2

alpha-Pinene N°CAS : 80-56-8 N°CE : 201-291-9 <9%

Xn R(10)-38-43-65 SGH02, SGH07, SGH08 H226-303-304-315-317 FL 3, ATO 5(3700), SCI 2, SS 1B, AH 1

beta-Pinene N°CAS : 127-91-3 N°CE : 204-872-5 <1.5%

Xn R(10)-38-43-65 SGH02, SGH07, SGH08 H226-304-315-317 FL 3, SCI 2, SS 1B, AH 1

p-Cymene N°CAS : 99-87-6 N°CE : 202-796-7 <4%

Xn,N R(10)-51/53-65 SGH08, SGH09 H226, 304, 303, 316, 411 ATO 5(4750); AH 1, SCI 3; EH A2,C2; FL 3

Terpinen-4-ol N°CAS : 562-74-3 N°CE : 209-235-5 <2.5%

Xn, Xi R22-38 SGH07 H302, H313, H315, H319, H402, H227 ATO4(1300), ATD5(2500), SCI2, EDI2A, EHA3, FL 4

### 4. First aid measures

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Inhalation : Remove affected person to fresh air. In case of beathing difficulty, seek medical advice

Eye contact : Flush with plenty of water for at least 15 min. Seek medical advice if symptoms persist

Skin contact : Remove contaminated clothing. Rinse affected area with plenty of water. Contact a physician if symptoms persist.

Ingestion : Rinse mouth out with water and seek medical advice immediately. Do not induce vomiting.

### 5. Fire fighting measures

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Extinguishing media recommended : Foam, carbon dioxide or dry chemical

Non recommended : Direct waterjet

Special precautions : Toxic vapours must be avoid during fire. Respiratory protection should be released during fire.

Containers close to the fire should be cooled with a water spray.

### 6. Accidental release measures

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Individual protection : Avoid eye and skin contact. Don't smoke. Prevent any contact with hot surfaces. (see rubric 8)

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Environment protection : Keep away from drains, soil, surface and groundwater

Methods for cleaning up : Contain spilled material, cover with an inert, non-combustible, inorganic, absorbent material and destroy according to the regulation in force.

#### 7. Handling and storage

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Handling : Apply according to good manufacturing and industrial hygiene practices with proper ventilation. Use individual protective equipment. Do not drink, eat or smoke while handling.

Storage : Store in cool, dry and ventilated area, away from heat sources, sparks and open flames, protected from light in tightly closed original container

#### 8. Exposure controls / personal protection

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Respiratory protection : Avoid to breath directly on the product. Ensure a good ventilation of the workroom

Eye protection : Use safety glasses

Hand protection : Use protective gloves

Skin protection : Use protective clothing



#### 9. Physical and chemical properties

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Appearance : Liquid at room temperature

Colour : colourless to pale yellow

Odour : Minted, cineol-like, fresh

Flash point in °C (closed cup) : +51°

Specific gravity at 20°C : 0.905 to 0.925

Refractive index at 20°C : 1.455 to 1.475

Optical rotation at 20°C : 0° to 5°

Solubility : Soluble in ethanol

#### 10. Stability and reactivity

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Stability : No significant modifications in storage conditions (see rubric 7).

Reactivity : No significant reactivity hazards in use conditions (see rubric 7).

Conditions to avoid : High temperature and heat sources.

Products to avoid : Avoid contacts with strong acids, alkali or oxidizing agents

#### 11. Toxicological information

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Effect by ingestion : no data

Effect by skin contact : no data

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CMR naturally present : Not detected

Residual solvent(s) : Not applicable

IFRA restrictions : Not explicitly regulated by IFRA. Limited components listing available on technical data sheet.

#### 12. Ecological information

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Prevent contamination of soil, ground and surfacewater. Biodegradability not determined

Classification based on data available for ingredients.

Contains 0 % of components with unknown hazards to the aquatic environment

#### 13. Disposal considerations

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##### 13.1. Waste treatment methods

Disposal Methods: Dispose of wastes in an approved waste disposal facility. Dispose of contents/containers in accordance with local regulations.

Contaminated Packaging: Dispose of empty containers and wastes safely. Dispose of waste product or used containers according to local regulations.

#### 14. Transport information

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Customs code : 3301294100

Transport : UN 1169 Extracts, aromatic, liquid, 3, III

#### 15. Regulatory information

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Regulations specific for the substance or mixture: not available data

Chemical safety assessment: not available data

#### 16. Additional information

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##### 16.1 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).

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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)

Values are maxima relative percents at the best of our knowledge.

INCI	CAS	%
Alpha-Hexyl cinnamic aldehyde (HCA)	101-86-0	-
Amyl cinnamic alcohol	101-85-9	-
Amyl cinnamic aldehyde (ACA)	122-40-7	-
Anisyl alcohol	105-13-5	-
Benzyl salicylate	118-58-1	-
Benzyl benzoate	120-51-4	-
Benzyl cinnamate	103-41-3	-
Benzyl alcohol	100-51-6	-
Cinnamic alcohol	104-54-1	-
Cinnamic aldehyde	104-55-2	-
Citral	5392-40-5	2.00
Citronellol	106-22-9	0.10
Coumarin (2p-1-benzopyran-2-one)	91-64-5	-
d-Limonene	5989-27-5	7.00
Eugenol	97-53-0	-
Farnesol	4602-84-0	0.02
Geraniol	106-24-1	1.50

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Lyral (Hydroxymethylpentyl cyclohexene carbaldoxaldehyde)	31906-04-4	-
Hydroxycitronellal	107-75-5	-
Isoeugenol	97-54-1	-
alpha-Iso-methyl ionone	127-51-5	-
Linalool	78-70-6	0.50
Methyl heptine carbonate	12/06/11	-
Oakmoss absolute	9000-50-4	-
p-tert-Butyl-alpha- methylhydrocinnamic aldehyde	80-54-6	-
Tree moss	68648-41-9	-

#### 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.