

Material safety data sheet
According to EU Regulation 1907/2006 in the current version
NUTMEG PURE ESSENTIAL OIL

1. Identification of the substance/mixture and company

Trade name: Nutmeg pure essential oil
I.N.C.I. Myristica Fragrans Kernel Oil
CAS No. : 8008-45-5
EINESCS No. : 282-013-3
FEMA No. : 2793
CoE No. : 296
FDA No. : 182.20
REACH pre-registration No. : Exempted
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 (RegulationCLP)

AH1 Aspiration hazard 1

ATO4 Acute toxicity oral 4

CAR1B Carcinogenicity 1B

EDI2 Serious eye damage / eye irritation 2

EHA1 Hazardous to the aquatic environment, acute hazard 1

EHC1 Hazardous to the aquatic environment, long-term hazard 1

FL3 Flammable Liquids 3

MUT2 Germ cell mutagenicity 2

REP2 Reproductive toxicity 2

SCI2 Skin corrosion / irritation 2

SS1 Sensitisation skin 1

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.

H319 - Causes serious eye irritation.

H341 - Suspected of causing genetic defects <state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard.

H350 - May cause cancer <state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard.

H361 - Suspected of damaging fertility or the unborn child <state specific effect if known> <state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard>.

H400 - Very toxic to aquatic life.

H410 - Very toxic to aquatic life with long lasting effects

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2.2 Label elements



GHS Classification (Regulation CLP)

Warning mention : Danger

AH1 Aspiration hazard 1

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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/

P301+P312 - IF SWALLOWED: Call a POISON CENTER/doctor/ if you feel unwell.

P302+P352 - IF ON SKIN: Wash with plenty of water/

P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].

P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P308+P313 - IF exposed or concerned: Get medical advice/attention.

P332+P313 - If skin irritation occurs: Get medical advice/attention.

P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.

P337+P313 - If eye irritation persists: Get medical advice/attention.

P362+P364 - Take off contaminated clothing and wash it before reuse.

P403+P235 - Store in a well-ventilated place. Keep cool.

P501 - Dispose of contents/container according to applicable legislations

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2.3. Other hazards

Contains alpha-Pinene, beta-Pinene, Terpinene-4-ol, Gamma-terpinene, d-Limonene, alpha-terpinene, Myrcene, Safrole, alpha-Terpineol, delta-3-Carene

3. Declaration of ingredients

3.1. Substances

Material	C.A.S	EINECS	Risk Symbol	%
alpha-Pinene	80-56-8	201-291-9	AH1, ATO4, EHA1, EHC1, FL3, SCI2, SS1B - H226, H302, H304, H315, H317, H400, H410	30.00
beta-Pinene	127-91-3	204-872-5	AH1, EHA1, EHC1, FL3, SCI2, SS1B - H226, H304, H315, H317, H400, H410	20.00
Gamma-terpinene	99-85-4	202-794-6	AH1, FL3, REP2 - H226, H304, H361	10.00
Terpinene-4-ol	562-74-3	209-235-5	ATO4, EDI2, SCI2 - H302, H315, H319	10.00
alpha-terpinene	99-86-5	202-795-1	AH1, ATO4, EHC2, FL3 - H226, H302, H304, H411	5.00
beta-Phellandrene	555-10-2	209-081-9	AH1, FL3 - H226, H304	5.00
d-Limonene	5989-27-5	227-813-5	AH1, EHA1, EHC1, FL3, SCI2, SS1B - H226, H304, H315, H317, H400, H410	5.00
Myrcene	123-35-3	204-622-5	AH1, EDI2, EHA1, EHC2, FL3, SCI2 - H226, H304, H315, H319, H400, H411	4.00
Terpinolene	586-62-9	209-578-0	AH1, EHA1, EHC1, FL3, SS1B - H226, H304, H317, H400, H410	4.00
Safrole	94-59-7	202-345-4	ATO4, CAR1B, MUT2 - H302, H341, H350	3.00
alpha-Terpineol	98-55-5	202-680-6	EDI2, SCI2 - H315, H319	3.00
delta-3-Carene	123-35-3	236-719-3	AH1, AT14, EHA1, EHC1, FL3, SCI2, SS1 - H226, H304, H315, H317, H332, H400, H410	3.00

3.2. Mixtures

Not concerned

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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 swallowed : Not make vomit, maintain the patient at rest. Resort to the medical care

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.

4.2 Main symptoms and effects, both acute and delayed

No data available

4.3 Indication to consult a physician immediately or any special treatments

No data available

5. Fire fighting measures

5.1 Means of extinction

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 flammable

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

5.3 Recommendations for fire-fighters

Never use a direct stream of water.

6. Accidental release measures

6.1 Personal precautions, protective devices 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 materials for containment and remediation

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

6.4 Reference to other sections
No data available

7. Handling and storage

7.1 Precautions for safe handling

Close packing after use. Reproduce labelling if transfer 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 fresh place and broken down well. Keep the containers closed out of their use. Do not leave it near heat source, direct rays of the sun

7.3 Specific end uses

Wash the hands and any other zone exposed with soap and water before eating, drinking, to smoke and before leaving work.

8. Exposure controls / personal protection

8.1 Control parameters

No data available

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 nitrile gloves.

Eyes protection : Wear protection eyeglasses.

Respiratory protection : Wear a protection mask.

Ingestion : Do not use, drink and smoke during use.

9. Physical and chemical properties

9.1 Information on physical and chemical properties

Appearance: liquid

Color: colourless to pale yellow

Odor: spicy, sweet, aromatic

pH-value: no data available

Melting point: no data available

Boiling point: no data available

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Sublimation point: no data available
Softening point: no data available
Lower explosion limits: no data available
Upper explosion limits: no data available
Vapor pressure: no data available
Angular rotation at 20°C (°) : [+5 ; +30]
Relative density at 20°C : [0.870 ; 0.915]
Refractive index at 20°C : [1.470 ; 1.490]
Flash point (°C) : [+35 ; +45]
Water solubility: no data available
Solubility in other solvents: no data available
Partition coefficient: no data available
Vapor density: no data available

9.2 Other information

None

10. Stability and reactivity

10.1 Responsiveness

No data available

10.2 Chemical stability

No data available

10.3 Possibility of dangerous reactions

No data available

10.4 Conditions to avoid

No data available

10.5 Incompatible materials

No data available

10.6 Hazardous decomposition products

Thermal decomposition / conditions to be avoided: Avoid contact with any flame or spark, flame, Overheat. Avoid Direct rays of the sun. No decomposition if used according to specifications.
Dangerous decomposition products: No dangerous decomposition products known.

11. Toxicological information

11.1 Information on toxicological effects

Toxicological Informations Acute :

Orale 1 295,62 (Determined)

Inhalation Not classified

Skin Not classified

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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

No data available

12.3 Bioaccumulation potential

No data available

12.4 Ground mobility

No data available

12.5 Results of PBT and vPvB assessment

No data available

12.6 Other adverse effects

No data available

13. Disposal considerations

13.1 Waste treatment methods

Product : Recommendation : Does not have to be evacuated with the refuse . Not to let penetrate in the sewers.
Not cleaned packing : Recommendation : Evacuation in accordance with the regulations.

14. Transport information

ADR:



IMDG:



IATA:



14.1 UN number

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

IMDG:1169

IATA :1169

14.2 UN shipping name

ADR : EXTRACTS, AROMATIC, LIQUID

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IMDG:EXTRACTS, AROMATIC, LIQUID

IATA :EXTRACTS, AROMATIC, LIQUID

14.3 Class of danger for transport

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) : Alpha-pinene, Beta-pinene

14.6 Special precautions for users

Not a dangerous good in sense of the transport regulation.

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC code

Not a dangerous good in sense of the transport regulation.

15. Regulatory information

15.1 Regulations and legislation on health, safety and environment specific to the substance or mixture

Not applicable.

15.2 Chemical safety assessment.

No data available

16. Additional information

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).

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.

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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.

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.
 H319 Causes serious eye irritation.
 H332 Harmful if inhaled.
 H341 Suspected of causing genetic defects <state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard>.
 H350 May cause cancer <state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard>.
 H361 Suspected of damaging fertility or the unborn child <state specific effect if known> <state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard>.
 H400 Very toxic to aquatic life.
 H410 Very toxic to aquatic life with long lasting effects.
 H411 Toxic to aquatic life with long lasting effects.

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

I.N.C.I.	C.A.S.	%
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	-
Citronellol	106-22-9	0,2000

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Coumarin (2p-1-benzopyran-2-one)	91-64-5	-
d-Limonene	5989-27-5	5,000
Eugenol	97-53-0	1,000
Farnesol	4602-84-0	-
Geraniol	106-24-1	0,2000
Lyral (Hydroxymethylpentyl cyclohexene carbaldoxaldehyde)	31906-04-4	-
Hydroxycitronellal	107-75-5	-
Isoeugenol	97-54-1	1,000
alpha-Iso-methyl ionone	127-51-5	-
Linalool	78-70-6	0,5000
Methyl heptine carbonate	111-12-6	-
Oakmoss absolute	9000-50-4	-
p-tert-Butyl-alpha- methylhydrocinnamic aldehyde	80-54-6	-
Tree moss	68648-41-9	-
Evernia prunastri extract	90028-68-5	
Evernia furfuracea extract	90028-67-4	

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.