



Material Safety Data Sheet

According to EU Regulation 1907/2006 in the current version

MANDELINÉ NATURAL FRAGRANCE OIL

1. Identification of the substance/preparation and the company

Trade name: Natural cosmetic fragrance oil Mandelíne
Utilisation: Raw material for cosmetics, perfumery
Supplier company: **Elemental SRL**, Piata Cazarmii no.15, 410188-Oradea, jud.Bihor, Romania
identification: Tel/Fax: +40259-436.755, www.elemental.eu
Emergency: RO: numar national pentru cazuri de urgenta: 021 3183606 Institutul de Sanatate Publica Bucuresti. International emergency number: +49 180 2273-112

2. Hazards Identification

2.1. Classification of the substance or mixture

In compliance with EC regulation No. 1272/2008 and its amendments.

Skin sensitisation, Category 1 (Skin Sens. 1, H317).

This mixture does not present a physical hazard. Refer to the recommendations regarding the other products present on the site.

This mixture does not present an environmental hazard. No known or foreseeable environmental damage under standard conditions of use.

2.2. Label elements

In compliance with EC regulation No. 1272/2008 and its amendments.

Hazard pictograms : GHS07

Signal Word : WARNING



Product identifiers :

EC 204-409-7 PIPERONAL

EC 204-102-8 ALPHA-SANTALOL

EC 222-908-8 2,5-DIMETHYL-4-HYDROXY-3-FURANONE (FURANEOL R)

Hazard statements :

H317 May cause an allergic skin reaction.

Precautionary statements - Prevention :

P261 Avoid breathing dust/fume/gas/mist/vapours/spray. P272 Contaminated work clothing should not be allowed out of the workplace. P280 Wear protective gloves/protective clothing/eye protection/face protection.

Precautionary statements - Response :

P302 + P352 IF ON SKIN: Wash with plenty of water/... P321 Specific treatment (see ... on this label). P333 + P313 If skin irritation or rash occurs: Get medical advice/attention. P362 + P364 Take off contaminated clothing and wash it before reuse.

Precautionary statements - Disposal : P501 Dispose of contents/container to ...

2.3. Other hazards

The mixture does not contain substances classified as 'Substances of Very High Concern' (SVHC) $\geq 0.1\%$ published by the European

Chemicals Agency (ECHA) under article 57 of REACH: <http://echa.europa.eu/fr/candidate-list-table>

The mixture fulfils neither the PBT nor the vPvB criteria for mixtures in accordance with annexe XIII of the REACH regulations EC 1907/2006.

3. Composition / Information on ingredients

INCI NAME : PERFUME



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3.2. Mixtures Composition :

Identification	(EC) 1272/2008	Note	%
INDEX: I121_33_5 CAS: 121-33-5 EC: 204-465-2 REACH: 01-2119516040-60 VANILLIN	GHS07 Wng Eye Irrit. 2, H319		1 ≤ x % < 2.5
INDEX: I120_57_0 CAS: 120-57-0 EC: 204-409-7 REACH: 01-2119983608-21-0000 PIPERONAL	GHS07 Wng Skin Sens. 1B, H317		1 ≤ x % < 2.5
INDEX: I115_71_9 CAS: 115-71-9 EC: 204-102-8 ALPHA-SANTALOL	GHS07 Wng Skin Sens. 1B, H317		0 ≤ x % < 1
INDEX: I3658_77_3 CAS: 3658-77-3 EC: 222-908-8 2,5-DIMETHYL-4-HYDROXY-3-FURANONE (FURANEOL R)	GHS07 Wng Skin Sens. 1A, H317 Eye Irrit. 2, H319		0 ≤ x % < 1

(Full text of H-phrases: see section 16)

4. First Aid

As a general rule, in case of doubt or if symptoms persist, always call a doctor. NEVER induce swallowing by an unconscious person.

4.1. Description of first aid measures

In the event of splashes or contact with eyes : Wash thoroughly with fresh, clean water for 15 minutes holding the eyelids open.

In the event of splashes or contact with skin : Remove contaminated clothing and wash the skin thoroughly with soap and water or a recognised cleaner. Watch out for any remaining product between skin and clothing, watches, shoes, etc. In the event of an allergic reaction, seek medical attention. If the contaminated area is widespread and/or there is damage to the skin, a doctor must be consulted or the patient transferred to hospital.

In the event of swallowing : Do not give the patient anything orally.

In the event of swallowing, if the quantity is small (no more than one mouthful), rinse the mouth with water and consult a doctor. Keep the person exposed at rest. Do not force vomiting. Seek medical attention immediately, showing the label. If swallowed accidentally, call a doctor to ascertain whether observation and hospital care will be necessary. Show the label.

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

No data available.

4.3. Indication of any immediate medical attention and special treatment needed: No data available.

5. Fire-fighting Measures

5.1. Extinguishing media

Suitable methods of extinction

In the event of a fire, use : - sprayed water or water mist

Unsuitable methods of extinction

In the event of a fire, do not use : - water jet

5.2. Special hazards arising from the substance or mixture

A fire will often produce a thick black smoke. Exposure to decomposition products may be hazardous to health.



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Do not breathe in smoke.

In the event of a fire, the following may be formed :

- carbon monoxide (CO) - carbon dioxide (CO₂)

5.3. Advice for firefighters No data available.

6. Accidental release measures:

6.1. Personal precautions, protective equipment and emergency procedures

Consult the safety measures listed under headings 7 and 8. For non first aid worker. Avoid any contact with the skin and eyes. For first aid worker First aid workers will be equipped with suitable personal protective equipment (See section 8).

6.2. Environmental precautions

Contain and control the leaks or spills with non-combustible absorbent materials such as sand, earth, vermiculite, diatomaceous earth in drums for waste disposal. Prevent any material from entering drains or waterways.

6.3. Methods and material for containment and cleaning up

Clean preferably with a detergent, do not use solvents.

6.4. Reference to other sections No data available.

7. Handling and Storage

Requirements relating to storage premises apply to all facilities where the mixture is handled.

Individuals with a history of skin sensitisation should not, under any circumstance, handle this mixture.

7.1. Precautions for safe handling

Always wash hands after handling. Remove and wash contaminated clothing before re-using. Ensure that there is adequate ventilation, especially in confined areas.

Fire prevention : Handle in well-ventilated areas. Prevent access by unauthorised personnel.

Recommended equipment and procedures : For personal protection, see section 8.

Observe precautions stated on label and also industrial safety regulations. Packages which have been opened must be reclosed carefully and stored in an upright position.

Prohibited equipment and procedures : No smoking, eating or drinking in areas where the mixture is used.

7.2. Conditions for safe storage, including any incompatibilities: No data available.

Storage: Keep the container tightly closed in a dry, well-ventilated place. The floor must be impermeable and form a collecting basin so that, in the event of an accidental spillage, the liquid cannot spread beyond this area.

Packaging: Always keep in packaging made of an identical material to the original.

7.3. Specific end use(s): No data available.

8. Exposure Controls and Personal Protection

8.1. Control parameters: No data available.

8.2. Exposure controls

Personal protection measures, such as personal protective equipment



Pictogram(s) indicating the obligation of wearing personal protective equipment (PPE) : Use personal protective equipment that is clean and has been properly maintained. Store personal protective equipment in a clean place, away from the work area. Never eat, drink or smoke during use. Remove and wash contaminated clothing before re-using. Ensure that there is adequate ventilation, especially in confined areas.

- Eye / face protection Avoid contact with eyes. Use eye protectors designed to protect against liquid splashes. Before handling, wear safety goggles in accordance with standard EN166.

- Hand protection Wear suitable protective gloves in the event of prolonged or repeated skin contact.

Use suitable protective gloves that are resistant to chemical agents in accordance with standard EN374.



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Gloves must be selected according to the application and duration of use at the workstation.

Protective gloves need to be selected according to their suitability for the workstation in question : other chemical products that may be handled, necessary physical protections (cutting, pricking, heat protection), level of dexterity required. Type of gloves recommended : - Butyl Rubber (Isobutylene-isoprene copolymer)

Recommended properties : - Impervious gloves in accordance with standard EN374

- Body protection Avoid skin contact. Wear suitable protective clothing.

Suitable type of protective clothing : In the event of substantial spatter, wear liquid-tight protective clothing against chemical risks (type 3) in accordance with EN14605 to prevent skin contact. In the event of a risk of splashing, wear protective clothing against chemical risks (type 6) in accordance with EN13034 to prevent skin contact. Work clothing worn by personnel shall be laundered regularly. After contact with the product, all parts of the body that have been soiled must be washed.

9. Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

General information :

Physical state : Fluid liquid.

Important health, safety and environmental information

pH : Not relevant.

Boiling point/boiling range : Not relevant.

Flash Point Interval : $60^{\circ}\text{C} < \text{FP} \leq 93^{\circ}\text{C}$

Vapour pressure (50°C) : Not relevant.

Density : Not stated.

Water solubility : Insoluble.

Viscosity: $\nu < 7 \text{ mm}^2/\text{s}$ (40°C)

Melting point/melting range : Not relevant.

Self-ignition temperature : Not relevant.

Decomposition point/decomposition range : Not relevant.

9.2. Other information: No data available.

10. Stability and Reactivity

10.1. Reactivity No data available.

10.2. Chemical stability

This mixture is stable under the recommended handling and storage conditions in section 7.

10.3. Possibility of hazardous reactions

When exposed to high temperatures, the mixture can release hazardous decomposition products, such as carbon monoxide and dioxide, fumes and nitrogen oxide.

10.4. Conditions to avoid No data available.

10.5. Incompatible materials No data available.

10.6. Hazardous decomposition products

The thermal decomposition may release/form : - carbon monoxide (CO), - carbon dioxide (CO₂)

11. Toxicological Information

11.1. Information on toxicological effects

Exposure to vapours from solvents in the mixture in excess of the stated occupational exposure limit may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effects on kidney, liver



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and central nervous system. Symptoms produced will include headaches, numbness, dizziness, fatigue, muscular asthenia and, in extreme cases, loss of consciousness. Repeated or prolonged contact with the mixture may cause removal of natural oil from the skin resulting in non-allergic contact dermatitis and absorption through the skin. Splashes in the eyes may cause irritation and reversible damage. May cause an allergic reaction by skin contact.

11.1.1. Substances Acute toxicity :

ALPHA-SANTALOL (CAS: 115-71-9)

Oral route : LD50 = 3800 mg/kg

PIPERONAL (CAS: 120-57-0)

Oral route : LD50 = 2700 mg/kg

VANILLIN (CAS: 121-33-5)

Oral route : LD50 = 3500 mg/kg

11.1.2. Mixture: No toxicological data available for the mixture.

12. Ecological Information

12.1. Toxicity

12.1.2. Mixtures

No aquatic toxicity data available for the mixture.

12.2. Persistence and degradability

No data available.

12.3. Bioaccumulative potential

No data available.

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

No data available.

12.6. Other adverse effects: No data available.

German regulations concerning the classification of hazards for water (WGK, AwSV vom 18/04/2017, KBws) :

WGK 1 : Slightly hazardous for water.

13. Disposal Considerations

Proper waste management of the mixture and/or its container must be determined in accordance with Directive 2008/98/EC.

13.1. Waste treatment methods

Do not pour into drains or waterways.

Waste : Waste management is carried out without endangering human health, without harming the environment and, in particular without risk to water, air, soil, plants or animals. Recycle or dispose of waste in compliance with current legislation, preferably via a certified collector or company. Do not contaminate the ground or water with waste, do not dispose of waste into the environment.

Soiled packaging :

Empty container completely. Keep label(s) on container. Give to a certified disposal contractor.

14. Transport Information

Transport : Exempt from transport classification and labelling.

15. Additional Regulatory Information



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

- Classification and labelling information included in section 2:

The following regulations have been used:

- EU Regulation No. 1272/2008 amended by EU Regulation No. 2018/669 (ATP 11)

- Container information: No data available.

- Particular provisions : No data available.

- German regulations concerning the classification of hazards for water (WGK, AwwSV vom 18/04/2017, KBws) :

WGK 1 : Slightly hazardous for water.

15.2. Chemical safety assessment: No data available.

16. Other Information

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.

Wording of the phrases mentioned in section 3 :

H317 May cause an allergic skin reaction.

H319 Causes serious eye irritation.

DECLARATION OF ALLERGENS

Cf Annex III of the Cosmetic regulation 1223/2009/CE

INCI Name	CAS No	Typical Contents in %
2-(TERT-BUTYL PROPIONALDE) (Lilial)	80-54-6	0
3-METHYL-4-(2,6,6 TRIMETHYL-2-CYCLOHEXINE-1-YL)-3-BUTEN-2-ONE	127-51-5	0
AMYL CINNAMAL	122-40-7	0
AMYL CINNAMYL ALCOHOL	101-85-9	0
ANISYL ALCOHOL (Anise alcohol)	105-13-5	0
BENZYL ALCOHOL	100-51-6	0 - 0.003
BENZYL BENZOATE	120-51-4	0
BENZYL CINNAMATE	103-41-3	0
BENZYL SALICYLATE	118-58-1	0
CINNAMAL (Cinnamic Aldehyde)	104-55-2	0



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CINNAMYL ALCOHOL	104-51-6	0
CITRAL	5392-40-5	0
CITRONELLOL	106-22-9	0
COUMARIN	91-64-5	0
LIMONENE	5989-27-5	0
EUGENOL	97-53-0	0
FARNESOL	4602-84-0	0
GERANIOL	106-24-1	0
HEXYL CINNAMIC ALDEHYDE (Hexyl Cinnamal)	101-86-0	0
HYDROXYCITRONELLAL	107-75-5	0
HYDROXYMETHYL PENTYL CYCLOHEXENE CARBOXALDEHYDE (Lyrall)	31906-04-4	0
ISO EUGENOL	97-54-1	0
LINALOOL	78-70-6	0
METHYL HEPTINE CARBONATE	111-12-6	0
OAK MOSS EXTRACT (Evernia Prunastri)	90028-68-5	0
TREE MOSS EXTRACT (Evernia Furfuracea)	90028-67-4	0

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.