

Material safety data sheet

According to EU Regulation 1907/2006 and 2020/878 in the current version

MANDELINEL NATURAL FRAGRANCE OIL

1. Identification of the substance/mixture and company

Trade name: Mandeline Natural Fragrance Oil
INCI: Parfum
Utilization: Raw material for cosmetics, perfumery and professional use
Supplier company identification: Elemental SRL, Piața Cazărmii no.15, 410188-Oradea, jud.Bihor, Romania
Tel/Fax: +40259-436.755, www.ellemental.com
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

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.

NATURE: Mixture of aromatic products, natural origin.

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.

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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 EC1907/2006.

3. Declaration of ingredients

3.1 Substances

Not concerned

3.2 Mixtures

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 $\leq x \% < 2.5$
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 $\leq x \% < 2.5$
INDEX: I115_71_9 CAS: 115-71-9 EC: 204-102-8 ALPHA-SANTALOL	GHS07 Wng Skin Sens. 1B, H317		0 $\leq x \% < 1$
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 $\leq x \% < 1$

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

4. 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.

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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 further relevant information available.

5. Fire fighting measures

5.1 Extinguishing media

Suitable extinguishing agents: CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

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.

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

Never use a direct stream of water.

6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Wear protective clothing. Use appropriate personal protective equipment during clean-up.

Particular danger of slipping on leaked/spilled product.

6.2 Environmental precautions

Do not allow product to reach sewage system or any water course. 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).

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Pick up mechanically. Ensure adequate ventilation.

7. Handling and storage

7.1 Precautions for safe handling

Close packing after use. Reproduce labelling if transfer in another container. Information about fire - and explosion protection: Keep ignition sources away - Do not smoke.

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.

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 sunrays

7.3 Specific end use(s)

No further relevant information available.

8. Exposure controls / personal protection

8.1 Control parameters

Ingredients with limit values that require monitoring at the workplace: The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

8.2 Exposure controls

General protective and hygienic measures: The usual precautionary measures are to be adhered to when handling chemicals.

Respiratory protection: Not necessary if room is well-ventilated.

Protection of hands: Protective gloves



Material of gloves: The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

Eye protection: Safety glasses

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

Suitable type of protective clothing:

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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

Form: liquid

Colour: yellowish

Odour: characteristic

Flash point (°C): $60^{\circ}\text{C} < \text{FP} \leq 93^{\circ}\text{C}$

Vapour density Not determined.

Solubility in / Miscibility with water: Insoluble.

Partition coefficient n-octanol/water ND

Relative vapour density: N.D.

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

Melting point in °C: N.D.

Decomposition: N.A.

pH: N.A. Not soluble in water

Boiling point: N.A.

Flammability limits: N.A.

Particle characteristics

Nanoforms: N.A.

Rotational power in °: N.D.

Auto-ignition temperature: N.A.

Partition coefficient n-octanol/water: N.D.

Vapour pressure: N.A.

10. Stability and reactivity

10.1 Reactivity

Stable, in normal usage conditions. No dangerous reactions known

10.2 Chemical stability

Stable. Thermal decomposition / conditions to be avoided:

No decomposition if used according to specifications.

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

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No further relevant information available.

10.5 Incompatible materials

No further relevant information available.

10.6 Hazardous decomposition products

No decomposition if used according to specifications, 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 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

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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

Exempt from transport classification and labelling

14.1 UN number: Not regulated

14.2 UN Proper Shipping Name: LIQUID AROMATIC EXTRACTS

14.3 Transport hazard class(es): Not regulated

14.4. Packing Group: IATA Not regulated

14.5 Environmental hazards: This is an environmentally hazardous substance. Not regulated

14.6 Special precautions for user: None additional

14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code No data available

15. Regulatory information

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 :

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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.

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.

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.

16.2 Full H sentences text in Section 3:

H317 May cause an allergic skin reaction.

H319 Causes serious eye irritation.

DECLARATION OF ALLERGENS

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

I.N.C.I.	C.A.S.	Max %
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	-

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Benzyl salicylate	118-58-1	-
Benzyl benzoate	120-51-4	-
Benzyl cinnamate	103-41-3	-
Benzyl alcohol	100-51-6	0,0030%
Cinnamic alcohol	104-54-1	-
Cinnamic aldehyde	104-55-2	-
Citral	5392-40-5	-
Citronellol	106-22-9	-
Coumarin	91-64-5	-
d-Limonene	5989-27-5	-
Eugenol	97-53-0	-
Farnesol	4602-84-0	-
Geraniol	106-24-1	-
Lylal (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	-
Methyl heptine carbonate	12/06/11	-
Methyleugenol	93-15-2	-
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.