



## Material safety data sheet

According to EU Regulation 1907/2006 in the current version

### FRESH HAY FRAGRANCE OIL

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

Trade name:	Fresh Hay fragrance oil
	Mixture of aromatic products, natural origin, identical nature and synthesis
I.N.C.I.	Parfum
CAS No. :	-
EINESCS No. :	-
REACH pre-registration No. :	-
Utilization:	Raw material for cosmetic or professional use
Supplier company identification:	<b>Elemental SRL</b> , 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.

Classification according to EC Reg. 1272/2008 (Norm. GHS-CLP)

Eye Irrit. 2 - Serious eye damage / eye irritation 2

Aquatic Chronic 2 - Hazardous to the aquatic environment, long-term hazard 2

Skin Sens. 1 - Sensitization skin 1

Hazards: H317 – H319 – H411

Precautions: P261 – P264 – P272 – P273 – P280 – P302+P352

Special instructions: none

##### 2.2 Label elements

Hazard pictograms:



Hazard statement:

H317 – May cause an allergic skin reaction.

H319 – Causes serious eye irritation.

H411 – Toxic to aquatic life with long lasting effects.

Precautionary statement:

P261 – Avoid breathing dust/fume/gas/mist/vapors/spray.

P264 – Wash hands thoroughly after handling.

P272 – Contaminated work clothing should not be allowed out of the workplace.



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P273 -- Avoid release to the environment.

P280 -- Wear protective gloves/protective clothing/eye protection/face protection.

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

Special instructions: none

#### 2.3 Other hazards

Contains terpineol, Florol, Triplal, Hydroxycitronellal, Cyclooct-4-en-1-yl methyl carbonate

### 3. Declaration of ingredients

The product contains the following ingredients:

Substance	C.A.S.	EINECS	Hazard symbols	Percent %
terpineol	98-55-5	202-680-6	H315, H319	[5-10]
Florol	63500-71-0	405-040-6	H319	[1-5]
Galaxolide	1222-05-5	214-946-9	H400, H410	[1-5]
Triplal	68039-49-6	268-264-1	H315, H317, H319, H412	[1-5]
Cyclooct-4-en-1-yl methyl carbonate	87731-18-8	401-620-8	H317	[0-1]
Hydroxycitronellal	107-75-5	203-518-7	H317, H319	[0-1]
Beta Pinene	127-91-3	204-872-5	H226, H304, H315, H317, H400, H410	[0-1]

### 4. First aid measures

#### 4.1 Description of first aid measures

In general, in case of doubt or if symptoms persist, always call a doctor.

General advice: Move out of the danger zone.

Show this safety data sheet to the doctor in attendance.

Do not leave the victim unattended.

In case of contact with skin: Remove contaminated clothing and wash skin thoroughly with soap and water. Beware of the product that may remain between the skin and clothing, watch, shoes ... In case of an allergic reaction, consult a doctor. When the contaminated area is large and / or if skin lesions appear, seek medical attention.

In case of contact with eyes: Rinse with plenty of water for at least 15 minutes (while holding eyelids apart). Seek medical attention if irritation persists or if tissue damage occurs.

In case of inhalation: Take the person to fresh air, if difficulty of breathing persists, seek medical attention.

In case of ingestion: Do not swallow. If a small quantity is swallowed (no more than one mouthful), rinse the mouth with water and consult a doctor. Seek immediate medical attention and show the label to the physician. In the event of accidental ingestion seek medical attention.

#### 4.2 Main symptoms and effects, both acute and delayed

Take into account the hazard and precautionary statements.

#### 4.3 Indication to consult a physician immediately or any special treatments

Skin contact: Wash off immediately with plenty of soap and water, then rinse with clear water.



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Eye contact: Rinse with plenty of water (15 minutes with open eyelids) then wash with an eye lotion. In case of cloudy vision, consult an ophthalmologist.

In case of ingestion: If symptoms persist, consult a doctor.

Contaminated clothing: Remove contaminated clothing and only reuse it after decontamination.

#### 5. Fire fighting measures

##### 5.1 Means of extinction

Suitable extinguishing media

In case of fire, use:

- Dry chemical powder
- Alcohol resistant foam
- Carbon dioxide (CO<sub>2</sub>)
- Water spray or water mist

Unsuitable extinguishing media

In case of fire, do not use:

- Water jet

Do not inhale the fumes. In case of insufficient ventilation, wear suitable respiratory protection.

##### 5.2 Special hazards arising from the substance or mixture

Flammability class: the product is not flammable.

A fire will often produce a thick black smoke. Exposure to decomposition products can involve health risks.

Do not inhale the smoke.

In the event of fire, the following may form:

- Carbon monoxide (CO)
- Carbon dioxide (CO<sub>2</sub>)

Prevention: no smoking, no open flame

##### 5.3 Recommendations for fire-fighters

Never use a direct water jet.

Special protective equipment for fire-fighters: Wear self-contained breathing apparatus for fire-fighting, if necessary.

Additional information: Standard procedure for chemical fires.

Use extinguishing media appropriate to local conditions and the surrounding environment.

#### 6. Accidental release measures

##### 6.1 Personal precautions, protective devices and emergency procedures

Refer to the protective measures listed in sections 7 and 8

For non-emergency personnel:

- Wear appropriate protective equipment (section 8) to prevent skin contamination, eyes and personal clothing;
- Remove sources of ignition, ventilate sufficiently
- Evacuate the area if necessary or contact an expert

For emergency personnel:

Emergency personnel will be equipped with appropriate personal protective equipment (Refer to section 8).



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## 6.2 Environmental precautions

Prevent the product from entering drains, superficial drains, groundwater and confined areas. In case of such contamination inform the competent authorities.

## 6.3 Methods and materials for containment and remediation

Absorb spilled product with inert absorbent material (sand, vermiculite, diatomaceous earth). Collect most of the resulting material and deposit it in containers for disposal. Prevent entry into sewers or waterways.

## 6.4 Reference to other sections

No data available

## 7. Handling and storage

### 7.1 Precautions for safe handling

Use in well-ventilated places. Do not eat, drink or smoke during use product handling. Always wash your hands before and after use. Use protective clothing.

Close container after use. Wash your hands after every use. Remove and wash contaminated clothing before reuse. Do not inhale vapors / dust. Do not eat, drink or smoke in the work areas. Reproduce the labeling if decanting into another container.

Fire prevention: Never vacuum up this material. Prohibit access to unauthorized personnel.

Recommended equipment and procedures: For personal protection, see section 8. Observe the precautions indicated on the label as well as the labor protection regulations.

Prohibited equipment and procedures: It is forbidden to smoke, eat and drink in the premises where the material is used.

### 7.2 Conditions for safe storage, including any incompatibilities

Avoid unnecessary exposure. Keep away from food. Store in well-filled, tightly closed containers, away from any heat source, extreme temperatures or direct sunlight. Do not reuse empty containers. Keep the closed containers when not in use. Respect the general rules of incompatibility with regard to storage.

### 7.3 Specific end uses

No data available

## 8. Exposure controls / personal protection

### 8.1 Control parameters

No data available

### 8.2 Exposure controls



Use clean and properly maintained personal protective equipment.



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Store personal protective equipment in a clean place away from the work area.

When using, do not eat, drink or smoke. Remove and wash contaminated clothing before reuse. Ensure adequate ventilation, especially in confined areas.

Hand protection: Protect hands with category I work gloves (ref. Directive 89/686 / EEC and standard EN 374) such as latex, PVC or equivalent.

Skin protection: Avoid contact with the skin. Wear chemical protective clothing impervious to liquids (type 3) conform to standard NF EN14605 to avoid any contact with the skin. If there is a risk of splashing, wear chemical protective clothing (type 6) in accordance with NF EN13034 standard to avoid any contact with the skin. Staff personnel will wear a regularly cleaned work uniform. Wash with soap and water after removing protective clothing.

Respiratory protection: In the absence of adequate ventilation, wear self-contained breathing apparatus.

Eye protection: Avoid contact with eyes. Use eye protection designed against splashing liquid. Before any handling, it is necessary to wear safety glasses in accordance with the NF standard EN166.

## 9. Physical and chemical properties

### 9.1 Information on physical and chemical properties

Appearance: Liquid

Color: Colorless to pale yellow

Odor: Fresh, green

Relative density (d<sub>20</sub>/20): [1.4200 ; 1.4600]

Refractive index at 20°C: [0.8650 ; 0.9050]

Flash point (°C): >120 °C

### 9.2 Other information

None

## 10. Stability and reactivity

Stable under normal conditions of use.

### 10.1 Responsiveness

No dangerous reactions known.

### 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: No decomposition if used according to specifications.

Hazardous decomposition products: No dangerous decomposition products known.

## 11. Toxicological information



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11.1 Information on toxicological effects

Toxicological information: No data available.

Acute Toxicity Information:

Oral (mg / kg): Not determined

Inhalation (mg / kg): Not determined

Dermal (mg / kg): Not classified

**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

The product must not be disposed of with household garbage. Do not throw waste into the sewer. Do not contaminate ponds, waterways or sewers with product residues, chemicals or packaging already in use. Send to a company licensed to handle waste.

Contaminated packaging: Empty the remains. Dispose of as unused product. Do not reuse empty containers. Comply with local regulations.

**14. Transport information**

ADR / RID		IMDG		IATA	
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14.1 UN number

ADR: 3082 (Tunnel restriction code: E)

IMDG: 3082

IATA: 3082

Customs Code: 3302909000



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#### 14.2 UN shipping name

ADR: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (1,3,4,6,7,8-Hexahydro-4,6,6,7,8,8-hexamethylcyclopenta-gamma-2-benzopyran)

IMDG: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (1,3,4,6,7,8-Hexahydro-4,6,6,7,8,8-hexamethylcyclopenta-gamma-2-benzopyran)

IATA: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (1,3,4,6,7,8-Hexahydro-4,6,6,7,8,8-hexamethylcyclopenta-gamma-2-benzopyran)

#### 14.3 Class of danger for transport

ADR: 9

IMDG: 9

IATA: 9

#### 14.4 Packing group

ADR: III

IMDG: III

IATA: III

#### 14.5 Environmental hazards

IMDG: Marine Pollutant

#### 14.6 Special precautions for users

Not applicable

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

Not applicable

### 15. Regulatory information

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

Class of water contamination (Germany): WGK

#### 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.



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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 text of the H phrases mentioned 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.  
H412 - Harmful 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	0,0503
Citronellol	106-22-9	0,0006
Coumarin (2p-1-benzopyran-2-one)	91-64-5	-
d-Limonene	5989-27-5	0,0166
Eugenol	97-53-0	0,0002
Farnesol	4602-84-0	-
Geraniol	106-24-1	0,0053
Lylal (Hydroxymethylpentyl cyclohexene carbaldoxaldehyde)	31906-04-4	-
Hydroxycitronellal	107-75-5	1,0000
Isoeugenol	97-54-1	0,0008
alpha-Iso-methyl ionone	127-51-5	-





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Linalool	78-70-6	0,0008
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.