

## Material safety data sheet

According to EU Regulation 1907/2006 in the current version

### FRUIT DE JUIN NATURAL FRAGRANCE OIL

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

Trade name: Fruit de Juin natural fragrance oil  
I.N.C.I. Parfum  
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.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).

Hazardous to the aquatic environment - Chronic hazard, Category 2 (Aquatic Chronic 2, H411).

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

In compliance with directives 67/548/EEC, 1999/45/EC and their amendments.

Skin sensitisation (Xi, R 43).

Aquatic environmental hazard, chronic toxicity: toxic (N, R 51/53).

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

NATURE : Mixture of aromatic products, natural origin

Special instructions: none

##### 2.2 Label elements

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

Hazard pictograms :

GHS09 GHS07

Signal Word :

WARNING

Product identifiers :

601-029-007A (R)-P-MENTHA-1,8-DIENE

Additional labeling :

Hazard statements :

H317 May cause an allergic skin reaction.

H411 Toxic to aquatic life with long lasting effects.

Precautionary statements - Prevention :

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.

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

P273 Avoid release to the environment.

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

Precautionary statements - Response :

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P302 + P352 IF ON SKIN: Wash with plenty of soap and water.

P321 Specific treatment (see ... on this label).

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

P363 Wash contaminated clothing before reuse.

P391 Collect spillage.

Precautionary statements - Disposal :

P501 Dispose of contents/container to ...

2.3. Other hazards

No data available.

### 3. Declaration of ingredients

#### 3.1. Substances

No substances fulfil the criteria set forth in annexe II section A of the REACH regulation (EC) n° 1907/2006.

#### 3.2. Mixtures

The product contains the following compounds to declare:

Identification	(EC) 1272/2008	67/548/EEC	%
HYDROCARBONS	GHS08 Dgr Asp. Tox. 1, H304	Xn	2.5 <= x % < 10
(R)-P-MENTHA-1,8-DIENE CAS: 5989-27-5 EC: 227-813-5	GHS02, GHS07, GHS09 Wng Flam. Liq. 3, H226 Skin Irrit. 2, H315 Skin Sens. 1, H317 Aquatic Chronic 1, H410	Xi,N Xi;R38-R43 N;R50/53 R10	2.5 <= x % < 10
LINALYL ACETATE CAS: 115-95-7 EC: 204-116-4	GHS07 Wng Eye Irrit. 2, H319 Skin Irrit. 2, H315	Xi Xi;R38	1 <= x % < 2.5
LINALOOL CAS: 78-70-6 EC: 201-134-4	GHS07 Wng Eye Irrit. 2, H319 Skin Irrit. 2, H315	Xi Xi;R38	1 <= x % < 2.5
PINENES (ALPHA OR BETA)	GHS09, GHS07, GHS08, GHS02 Dgr Flam. Liq. 3, H226 Asp. Tox. 1, H304 Skin Sens. 1, H317 Aquatic Chronic 1, H410	Xn,N Xn;R65 Xi;R43 N;R50/53 R10	0 <= x % < 1

### 4. First aid measures

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#### 4.1 Description of first aid measures

In case of contact with skin: wash the affected area immediately with plenty of soap and water, if irritation persists seek medical attention.

In case of contact with eyes: rinse with plenty of water for at least 15 minutes (while holding eyelids apart), if irritation persists seek medical attention.

In case of inhalation: take the person to fresh air, remove contaminated clothes, if difficulty of breathing persists seek medical attention.

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

In case of contact with skin, may cause irritation. May cause illness in case of inhalation.

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

In case of illness contact your physician immediately.

### 5. Fire fighting measures

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#### 5.1 Means of extinction

Do not use water to extinguish fire. Use foam fire extinguishers, with carbon dioxide or powder.

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

During the fire toxic fumes could be released, use protective masks. Overpressure can be created in containers exposed to fire with danger of explosion, cool the containers before handling them.

#### 5.3 Recommendations for fire-fighters

Always wear full fire protection equipment (protective helmet with visor, fireproof clothing, intervention gloves, breathing apparatus).

### 6. Accidental release measures

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

In case of loss or spillage of the product, remove any flames or other sources of heat from the area where the leak occurred. Use protection if necessary for airways; protective clothing must be worn (eg. safety glasses or masks). Do not handle damaged containers or spilled product without wearing the appropriate protective equipment.

#### 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. Ensure adequate ventilation of the site.

#### 6.4 Reference to other sections

Disposal of the contaminated material must be carried out in accordance with the provisions of point 13.

### 7. Handling and storage

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#### 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 / personal protection

#### 8.1 Control parameters

There are no specific control parameters.

#### 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

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

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



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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

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### 9.1 Information on physical and chemical properties

Appearance: liquid

Color: colorless to pale yellow

Odor: characteristic

Relative density: not stated

Refractive index at 20°C: NA

Optical rotation (°): NA

Flash point: 60°C < PE ≤ 93°C

Odor threshold: NA

pH: not relevant

Melting point / freezing point: NA

Initial boiling point and boiling range: NA

Evaporation rate: NA

Flammability (solid, gas): NA

Upper / lower flammability or explosive limits: NA

Vapor tension: NA

Vapor density: NA

Solubility in water: insoluble

Partition coefficient: n-octanol / water: NA

Auto-ignition temperature: NA

Decomposition temperature: NA

Viscosity: NA

Explosive properties: NA

Oxidizing properties: NA

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#### 9.2 Other information

None

#### 10. Stability and reactivity

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##### 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

##### 10.5. Incompatible materials

##### 10.6. Hazardous decomposition products

The thermal decomposition may release/form :

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

#### 11. Toxicological information

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##### 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.

Splashes in the eyes may cause irritation and reversible damage.

May cause an allergic reaction by skin contact.

##### 11.1.1. Substances

Acute toxicity :

LINALOOL (CAS: 78-70-6)

Oral route : DL50 = 3000 mg/kg

##### 11.1.2. Mixture

No toxicological data available for the mixture.

Monograph(s) from the IARC (International Agency for Research on Cancer) :

CAS 5989-27-5 : IARC Group 3 : The agent is not classifiable as to its carcinogenicity to humans

#### 12. Ecological information

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Toxic to aquatic life with long lasting effects.

The product must not be allowed to run into drains or waterways.

##### 12.1. Toxicity

##### 12.1.1. Substances

No aquatic toxicity data available for the substances.

##### 12.1.2. Mixtures

No aquatic toxicity data available for the mixture.

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#### 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) :

WGK 2 (VwVwS vom 27/07/2005, KBws) : Hazardous for water.

### 13. Disposal considerations

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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

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Transport product in compliance with provisions of the ADR for road, RID for rail, IMDG for sea and ICAO/IATA for air transport (ADR

2011 - IMDG 2010 - ICAO/IATA 2012).

#### 14.1. UN number 3082

#### 14.2. UN proper shipping name

UN3082=ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.

((r)-p-mentha-1,8-diene)

#### 14.3. Transport hazard class(es)

- Classification : 9

#### 14.4. Packing group III

#### 14.5. Environmental hazards

- Environmentally hazardous material :

#### 14.6. Special precautions for user

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ADR/RID	Class	Code	Pack gr.	Label	Ident.	LQ	Provis.	EQ	Cat.	Tunnel
	9	M6	III	9	90	5 L	274 335 601	E1	3	E

IMDG	Class	2°Label	Pack gr.	LQ	EMS	Provis.	EQ
	9	-	III	5 L	F-A,S-F	274 335	E1

IATA	Class	2°Label	Pack gr.	Passager	Passager	Cargo	Cargo	note	EQ
	9	-	III	964	450 L	964	450 L	A97 A158	E1
	9	-	III	Y964	30 kg G	-	-	A97 A158	E1

## 15. Regulatory information

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

- Particular provisions :

No data available.

- German regulations concerning the classification of hazards for water (WGK) :

Germany : WGK 2 (VwVwS vom 27/07/2005, KBws)

### 15.2. Chemical safety assessment

No data available.

## 16. Additional information

### 16.1 Abbreviations

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - Agreement concerning the International Carriage of Dangerous Goods by Road; AIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Test-ing of Materials; bw - Body weight; CLP - Classification Labelling Packaging Regulation; Regula-tion (EC) No 1272/2008; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECHA - European Chemicals Agency; EC-Number - European Community number; ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergen-cy Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration as-sociated with x% growth rate response; GHS - Globally Harmonized System; GLP - Good La-boratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships car-rying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - Interna-tional Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; INCI: International Nomenclature of Cosmetic Ingredients; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test popula-tion; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - Interna-tional Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Ef-fect Level; NOELR - No Observable Effect Loading Rate; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic sub-stance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quanti-tative) Structure Activity Relationship; PNEC: Predicted No Effect Concentration; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Re-striction of Chemicals; RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT -



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Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; SVHC - Substance of Very High Concern; STE: Short-term exposure; STEL: Short Term Exposure limit; STOT: Specific Target Organ Toxicity; TCSI - Taiwan Chemical Substance Inventory; TECI - Thailand Existing Chemicals Inventory; TRGS - Technical Rule for Hazardous Substances; TSCA - Toxic Substances Control Act (United States); UN - United Nations; vPvB - Very Persistent and Very Bioaccumulative.

Title for H, EUH and R indications mentioned in section 3 :

H226 Flammable liquid and vapour.

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.

H410 Very toxic to aquatic life with long lasting effects.

R 10 Flammable.

R 38 Irritating to skin.

R 43 May cause sensitisation by skin contact.

R 50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R 65 Harmful: may cause lung damage if swallowed

#### DECLARATION OF ALLERGENS

Fragrance ingredients restricted as 26 potential allergens in previous ANNEX III of EUROPEAN COSMETIC REGULATION (EC) No1223/2009 and its amendments and in Schedule 34 of the Product Safety and Metrology etc. (Amendment etc.) (EU Exit) Regulations 2019 Statutory Instrument

SUBSTANCE NAME	C.A.S.	Maximum % in the substance determined by GCMS analysis
ALPHA-ISOMETHYL IONONE	127-51-5	-
AMYL CINNAMAL	122-40-7	-
AMYL CINNAMYL ALCOHOL	101-85-9	-
ANISE ALCOHOL	105-13-5	-
BENZYL ALCOHOL	100-51-6	-
BENZYL BENZOATE	120-51-4	-
BENZYL CINNAMATE	103-41-3	-
BENZYL SALICYLATE	118-58-1	-
BUTYLPHENYL METHYLPROPIONAL	80-54-6	-
CINNAMAL	104-55-2	-
CINNAMYL ALCOHOL	104-54-1	-
CITRAL	5392-40-5	0.073%

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CITRONELLOL	106-22-9	-
COUMARIN	91-64-5	0.024%
EUGENOL	97-53-0	-
EVERNIA FURFURACEA (TREEMOSS) EXTRACT	90028-67-4	-
EVERNIA PRUNASTRI (OAKMOSS) EXTRACT	90028-68-5	-
FARNESOL	4602-84-0	-
GERANIOL	106-24-1	0.013%
HEXYL CINNAMAL	101-86-0	-
HYDROXYCITRONELLAL	107-75-5	-
HYDROXYISOHEXYL 3- CYCLOHEXENE CARBOXALDEHYDE	31906-04-4	-
ISOEUGENOL	97-54-1	-
LIMONENE	5989-27-5	2.482%
LINALOOL	78-70-6	1.304%
METHYL 2-OCTYNOATE	111-12-6	-

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.