

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Substance name	:	INCI: Eugenia Caryophyllus Bud Oil
EC No	:	284-638-7.
CAS No	:	84961-50-2.
Trade name/designation	:	Organic/N°FEMA Clove Oil: 2323/N°CoE: 188n.
Article No (user)	:	MP10043.

1.2. Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses	:	Perfumes, scented products (PC28).
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1.3. Details of the supplier of the safety data sheet

Supplier	:	Name: ALTHO Laboratory Street: Lieu-dit Encapin Postal code/City: 32120 Monfort Country: France : Telephone: +33(0)5 62 05 54 35 Telefax: +33(0)5 62 05 04 67 Website: www.laboratoirealtho.fr E-mail: contact@laboratoirealtho.fr
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1.4. Emergency Telephone Number

European Union:

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Classification	Hazard statements (H)	
Asp. Tox. 1	H304	May be fatal if swallowed and enters airways.
Skin Irrit. 2	H315	Causes skin irritation.
Skin Sens. 1B	H317	May cause an allergic skin reaction.
Eye Irrit. 2	H319	Causes serious eye irritation
Aquatic Chronic 3	H412	Harmful to aquatic life with long lasting effects

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms



Signal word

Danger

Product identifiers

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Hazard Statements

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
H412 - Harmful to aquatic life with long lasting effects

Supplemental Hazard information (EU)

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Precautionary Statements - General

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Precautionary Statements - Prevention	<p>P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.</p> <p>P233 - Keep container tightly closed.</p> <p>P240 - Ground and bond container and receiving equipment.</p> <p>P241 - Use explosion-proof electrical/ventilating/lighting equipment.</p> <p>P242 - Use only non-sparking tools.</p> <p>P243 - Take precautionary measures against static discharge.</p> <p>P261 - Avoid breathing dust/fume/gas/mist/vapours/spray.</p> <p>P264 - Wash your hands after handling</p> <p>P272 - Contaminated work clothing should not be allowed out of the workplace.</p> <p>P273 - Avoid release to the environment.</p> <p>P280 - Wear protective gloves/protective clothing/eye protection/face protection.</p>
Precautionary Statements - Response	<p>P301+P310 - IF SWALLOWED: Immediately call a POISON CENTER/doctor</p> <p>P302+P352 - IF ON SKIN: Wash with plenty of water.</p> <p>P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse the skin with water.</p> <p>P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.</p> <p>P321 - Specific treatment (see ... on this label).</p> <p>P331 - Do NOT induce vomiting.</p> <p>P332+P313 - In case of skin irritation: Consult a physician.</p> <p>P333+P313 - If irritation or rash occurs: Consult a physician.</p> <p>P337+P313 - If eye irritation persists: Seek medical attention.</p> <p>P370+P378 - In case of fire: Use carbon dioxide, dry chemical (ABC Classes) or foam extinguisher for extinguishing.</p>
Precautionary Statements - Storage	<p>P403+P235 - Store in a well-ventilated place. Keep cool.</p> <p>P405 - Store locked up.</p>
Precautionary Statements - Disposal	<p>P501 - Dispose of contents/container in an approved centre in accordance with national regulations.</p>

2.3. Other hazards

Not available

SECTION 3: Composition/information on ingredients

3.1. Substances

Substance	C (%)	Classification	Specific concentration limits	Note
Clove, ext. CAS N°: 84961-50-2 EC N°: 284-638-7 IDX N°:	C≤ 100.0%	<p>H304: May be fatal if swallowed and enters airways.</p> <p>H315: Causes skin irritation.</p> <p>H317: May cause an allergic skin reaction.</p> <p>H319: Causes serious eye irritation</p>	-	-

3.2. Mixtures

The mixture does not contain any substances classified as Substances of Very High Concern (SVHC) by the European Chemicals Agency (ECHA) under article 57 of REACH: <http://echa.europa.eu/fr/candidate-list-table>.

3.3. Remark

Text phrases and H- EUH-: see section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

General information	:	In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible). Do not leave affected person unattended. Keep affected person warm, still and covered.
Following inhalation	:	Remove person to fresh air and keep comfortable for breathing. No resuscitation mouth-to-mouth or mouth-to-nose. Ambu use a mask or respirator. If breathing is irregular or stopped, administer artificial respiration.
Following skin contact	:	After contact with skin, wash immediately with plenty of water and soap. Take off immediately all contaminated clothing. Change contaminated, saturated clothing. In case of skin irritation, consult a physician.
Following eye contact	:	In case of eye irritation consult an ophthalmologist. Rinse immediately carefully and thoroughly with eye-bath or water. Remove contact lenses, if present and easy to do. Continue rinsing.

Following ingestion	:	Never give anything by mouth to an unconscious person or a person with cramps. IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
Self-protection of the first aider	:	First aider: Pay attention to self-protection!.

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

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11.

4.3. Indication of any immediate medical attention and special treatment needed

Notes for the doctor	:	Treat symptomatically.
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SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	:	Foam. Extinguishing powder. Carbon dioxide (CO ₂). Sand.
Unsuitable extinguishing media	:	Strong water jet.

5.2. Special hazards arising from the substance or mixture

Formation of toxic gases is possible during heating or in case of fire.

5.3. Advice for firefighters

Wear a self-contained breathing apparatus and chemical protective clothing.

5.4. Additional information

Do not inhale vapors and fumes. Co-ordinate fire-fighting measures to the fire surroundings. Move undamaged containers from immediate hazard area if it can be done safely. Use caution when applying carbon dioxide in confined spaces. carbon dioxide can displace oxygen. Use water spray jet to protect personnel and to cool endangered containers. Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Use personal protection equipment. Remove persons to safety. Provide adequate ventilation. Use appropriate respiratory protection.

6.2. Environmental precautions

Ensure that waste is collected and contained. In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities. Avoid release to the environment. Cover drains. Ensure all waste water is collected and treated via a waste water treatment plant. Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains. Retain contaminated washing water and dispose it. Contain leaks or spills within cabinets with removable trays.

6.3. Methods and material for containment and cleaning up

Treat the recovered material as prescribed in the section on waste disposal. Collect in closed and suitable containers for disposal. Clean contaminated objects and areas thoroughly observing environmental regulations. Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents). Wipe up with absorbent material (eg. cloth, fleece).

6.4. Reference to other sections

Safe handling: see section 7. Disposal: see section 13. Personal protection equipment: see section 8.

6.5. Additional information

Not available

SECTION 7: Handling and Storage

7.1. Precautions for safe handling

PROTECTIVE MEASURES

Avoid contact with skin, eyes and clothes.

If local exhaust ventilation is not possible or not enough, the entire work area must be ventilated by technical means.

Provide adequate ventilation as well as local exhaustion at critical locations.

Wear personal protective clothing (see section 8).

Sewers and ducts must be protected against the entry of the product.

Provide for retaining containers, eg. floor pan without outflow.

Use only in well-ventilated areas.

Vapours/aerosols should be exhausted directly at the point of origin.

Avoid breathing gas/fumes/vapour/spray.

Advices on general occupational hygiene

Wash hands before breaks and after work.

Remove contaminated, saturated clothing immediately.

Work in well ventilated zones or use proper respiratory protection.

Wash contaminated clothing before reuse.

Street clothing should be stored separately from work clothing.

7.2. Conditions for safe storage, including any incompatibilities

Keep container tightly closed in a dry, cool, and well-ventilated place. Keep container in upright position in order to prevent leakage.

Requirements for storage rooms and vessels

Ensure adequate ventilation of the storage area.

Ground/bond container and receiving equipment.

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

Store locked up.

Use isolated drainage to prevent discharge to soil.

Advice on joint storage

Keep away from food, drink and animal feedingstuffs.

Keep away from clothing and other combustible materials.

Keep only in the original container in a cool, well-ventilated place, away from highly flammable substances.

Further information on storage conditions

Use explosion-proof electrical/ventilating/lighting/.../equipment.

Use only non-sparking tools.

7.3. Specific end uses

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

DNEL-/PNEC-values

Clove, ext.:

DNEL worker

	short-term		long-term	
	systemic	Local	systemic	Local
Oral	Not assessed		Not assessed	
Dermal	Not assessed	Not assessed	Not assessed	Not assessed
Inhalation	Not assessed	Not assessed	Not assessed	Not assessed

DNEL consumer

	short-term		long-term	
	systemic	Local	systemic	Local
Oral	Not assessed		Not assessed	
Dermal	Not assessed	Not assessed	Not assessed	Not assessed
Inhalation	Not assessed	Not assessed	Not assessed	Not assessed

PNEC

PNEC aquatic, freshwater	Not assessed
PNEC aquatic, marine water	Not assessed
PNEC aquatic, intermittent release	Not assessed
PNEC sediment, freshwater	Not assessed
PNEC sediment, marine water	Not assessed
PNEC soil	Not assessed
PNEC sewage treatment plant (STP)	Not assessed
PNEC air	Not assessed
PNEC secondary poisoning	Not assessed

8.2. Exposure controls

Appropriate engineering controls

Technical measures and the application of suitable work processes have priority over personal protection equipment. Provide adequate ventilation as well as local exhaust at critical locations.

Personal protection equipment



Eye/face protection	:	Suitable eye protection: Wear eye protection equipment. Recommended eye protection articles: Eye glasses
Skin protection	:	Hand protection: Wear protective gloves. Hand protection: NBR (nitrile rubber) Hand protection: Do not wear gloves near machines and rotating tools. Hand protection: Use gloves only once. Hand protection: When handling with chemical substances, protective gloves must be worn with the CE-label including the four control digits. Hand protection: The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances. Hand protection: For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves. Hand protection: Breakthrough times and swelling properties of the material must be taken into consideration. Body protection: Lab coat.
Respiratory protection	:	Respiratory protection necessary at: If technical exhaust or ventilation measures are not possible or insufficient, respiratory protection must be worn. Suitable respiratory protection apparatus: Wear respiratory protection. Remark: The filter class must be suitable for the maximum contaminant concentration (gas/vapour/aerosol/particulates) that may arise when handling the product. If the concentration is exceeded, self-contained breathing apparatus must be used. Remark: Observe the wear time limits as specified by the manufacturer. Remark: Use only respiratory protection equipment with CE-symbol including four digit test number.

8.3. Additional information

Not available

SECTION 9: Physical and chemical Properties

9.1. Information on basic physical and chemical properties

Physical state:	Liquid
Colour:	Pale Yellow To Light Brown
Odour:	Spicy, Characteristic Of Eugenol
Odour threshold:	Not available
pH:	Not available
Melting point/freezing point:	Not available
Initial boiling point and boiling range:	Not available
Flash point:	97°C
Evaporation rate:	Not available
Flammability:	Not available
Upper/lower flammability or explosive limits:	Not available
Vapour pressure:	Not available
Vapour density:	Not available
Relative density:	1.04 – 1.07 at 20 ° C
Solubility(ies):	Insoluble.
Partition coefficient: n-octanol/water (Log KOC):	Not available
Auto-ignition temperature:	Not available
Decomposition temperature:	Not available
Viscosity:	Not available
Explosive properties:	Not available
Oxidising properties:	Not available
Solubility in other Solvents:	Not available
Log Kow:	Not available

9.2. Other safety information

Not available

SECTION 10: Stability and Reactivity

10.1. Reactivity

This product is stable to shock, vibration and pressure under normal conditions of use. Avoid prolonged contact with air, light, heat which could induce degradation and oxidation of the product.

10.2. Chemical stability

The product is chemically stable under recommended conditions of storage, use and temperature.

10.3. Possibility of hazardous reactions

No known hazardous reactions.

10.4. Conditions to avoid

Keep away from heat, hot surfaces, sparks, open flames and other sources of ignition.

10.5. Incompatible materials

P.V.C.

10.6. Hazardous decomposition products

No known hazardous decomposition products.

10.7. Additional information

Not available

SECTION 11: Toxicological information

11.1. Acute oral toxicity

Data for mixture

Not available

Substances

Not available

11.2. Acute skin toxicity

Data for mixture

Not available

Substances

Not available

11.3. Acute inhalation toxicity

Data for mixture

Not available

Substances

Not available

11.4. Skin corrosion

Data for mixture

Not available

Substances

Not available

11.5. Eye damage

Data for mixture

Not available

Substances

Not available

11.6. Skin sensitisation

Data for mixture

Not available

Substances

Not available

11.7. STOT SE

Data for mixture

Not available

Substances

Not available

11.8. STOT RE

Data for mixture

Not available

Substances

Not available

11.9. Carcinogenicity

Data for mixture

Not available

Substances

Not available

11.10. Reproductive and Developmental Toxicity

Data for mixture

Not available

Substances

Not available

11.11. Genotoxicity

Data for mixture

Not available

Substances

Not available

11.12. Respiratory sensitisation

Data for mixture

Not available

Substances

Not available

Serious eye damage/irritation

Not available

SECTION 12: Ecological information

12.1. Toxicity

Harmful to aquatic life with long lasting effects.

12.2. Persistence and degradability

The product has not been tested.

12.3. Bioaccumulative potential

The product has not been tested.

12.4. Mobility in soil

The product has not been tested.

12.5. Results of PBT and vPvB assessment

No data available.

12.6. Other adverse effects

No data available.

12.7. Additional ecotoxicological information

Not available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Product/Packaging disposal

Waste disposal in accordance with Directives 2006/12/EC and 2008/98/EC, covering waste and hazardous waste.

The product may be incinerated in a plant approved by the competent authorities.

Waste codes/waste names according to LoW :

15 01 01 Paper/cardboard packaging (case).

15 01 02 Plastics packaging (cap, dropper, canister).

15 01 04 Metal packagings (can, drum).

15 01 07 Glass packagings (vial).

16 07 99 Wastes not otherwise specified (product).

The packaging may not be disposed of in the household waste. It may be disposed of with or without product at a waste disposal centre or by an approved body.

Waste should not be disposed of by discharge into the sewer system.

The regulations relating to waste are codified in the Environment Code, according to Order n°2000-914 of 18 September 2000 relating to the legislative part of the Environment Code. The various texts from Article L. 541-1 to Article L. 541-50 can be found in Book V (Prevention of

pollution, risks and nuisances), Title IV (Waste), Chapter I (Waste disposal and material recovery).

13.2. Additional information

Not available

SECTION 14: Transport information

14.1. UN number

Not available

14.2. UN proper shipping name

Not available

14.3. Transport hazard class(es)

Not available

14.4. Packing group

Not available

14.5. Environmental hazards

Not available

14.6. Special precautions for user

Not available

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

Not available

14.8. Additional information

Customs tariff code: 3301 29 11 00.

SECTION 15: Regulatory information

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

This SDS has been established in accordance with REACH regulation, including its amendments: REACH Regulation (EC) No 1907/2006. This SDS has been established in accordance with CLP regulation, including its amendments: CLP Regulation EC No. 1272/2008.

National regulations

The regulatory information included in this section only recalls the main requirements specifically applicable to the product covered by the MSDS. The basic Community texts cited are subject to updates and are transcribed into national law. It is recommended to refer to any international, national or local measures or provisions that may apply. The user's attention is drawn to the possible existence of other provisions supplementing these requirements.

EU legislation

Regulation: REACH : Annex XVII (Restrictions)

Substance	CAS	EC
(R)-p-mentha-1,8-diene	5989-27-5	227-813-5

15.2. Chemical Safety Assessment

No Chemical Safety Assessment has been carried out for this substance/mixture by the supplier.

15.3. Additional information

Not available

SECTION 16: Other information

Creation date: 06/08/2020
Version date: 06/08/2020
Printing date: 13/01/2022

16.1. Indication of changes

Not applicable (first edition of the MSDS).

16.2. Abbreviations and acronyms

CAS: Chemical Abstract Service Number. IATA: International Air Transport Association. IMDG: International Maritime Dangerous Goods Code. DPD: Dangerous Preparation Directive. UN number: United Nations number. No EC: European Commission Number. ADN/ADNR: Regulations concerning the transport of dangerous substances in barges on the waterways. ADR/RID: European Agreement concerning the International Carriage of Dangerous Goods by Road/Regulations concerning the international carriage of dangerous goods by rail. CLP: Classification, labeling and packaging. VPvB: very persistent and very bioaccumulative substances.

16.3. Key literature references and sources for data

No data available.

16.4. Classification for mixtures and used evaluation method according to regulation (EC) 1272/2008 [CLP]

Classification of the mixture is in accordance with the evaluation method described in Regulation (EC) No 1272/2008.

16.5. Relevant R-, H- and EUH-phrases (Number and full text)

H304	Asp. Tox. 1	May be fatal if swallowed and enters airways.
H315	Skin Irrit. 2	Causes skin irritation.
H317	Skin Sens. 1B	May cause an allergic skin reaction.
H319	Eye Irrit. 2	Causes serious eye irritation
H412	Aquatic Chronic 3	Harmful to aquatic life with long lasting effects

16.6. Training advice

Refer to Sections 4, 5, 6, 7 and 8 of this safety data sheet.

16.7. Additional information

Not available

The information given in this Safety Data Sheet is based on our present knowledge and on european and national regulations. This Safety Data Sheet describes safety requirements relative to identified uses, it doesn't guarantee all the product properties particularly in the case of non identified uses. The product mustn't be used for any uses other than those identified under heading 1. Since the user's working conditions are not known by us, it is the responsibility of the user to take all necessary measures to comply with legal requirements for specific uses and avoid negative health effects.