



na according to 2020/878/EC (1907/2006/EC Article 31)

2589702

Reviewed on: 26.11.2024 Printing date: 26.11.2024

SECTION 01: Identification of the substance/mixture and of the company/undertaking

- 1.1 Product identifier
- Trade name: Carrot seed oil
- Article number:
- 235
- CAS Number: 8015-88-1
- EC Number:
- 284-545-1
- No CAS EINECS:

84929-61-3

1.2 Relevant identified uses of the substance or mixture and uses advised against Application of the substance / the preparation Only for industrial use

1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier:

GOLGEMMA TEL: +33(0)4.68.74.17.89 Route de FA email: fds@golgemma.com

11260 ESPERAZA

FRANCE

1.4 Emergency telephone number: FR-ORFILA (INRS):+33(0)1 45 42 59 59

SECTION 02: Hazards identification

- 2.1 Classification of the substance or mixture
- Classification according to Regulation (EC) No 1272/2008



GHS05

Eye Dam. 1 - H318 Causes serious eye damage.



GHS08

Asp. Tox. 1 - H304 May be fatal if swallowed and enters airways.



GHS07

Skin Irrit. 2 - H315 Causes skin irritation. Skin Sens. 1 - H317 May cause an allergic skin reaction. Aquatic Chronic 3 - H412 Harmful to aquatic life with long lasting effects.

- 2.2 Label elements
- Labelling according to Regulation (EC) No 1272/2008
- Hazard pictograms







GHS05 GHS08

GHS07

- Signal word

Danger

- Hazard statements

H304 May be fatal if swallowed and enters airways.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H318 Causes serious eye damage.

H412 Harmful to aquatic life with long lasting effects.

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PRODUCT: Carrot seed oil

Precautionary statements

Precautionary statements
P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
P264 Wash thoroughly after handling.
P272 Contaminated work clothing should not be allowed out of the workplace.
P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor.

P501 Dispose of contents/container in accordance with local/regional/ national/international regulations.

2.3 Other hazards

- Results of PBT and vPvB assessment
- PBT:
 - Not applicable.
- vPvB:
- Not applicable.
- Determination of endocrine-disrupting properties None of the ingredients is listed.

SECTION 03: Composition/information on ingredients

3.1 Substances

284-545-1

CAS No. Description 8015-88-1 Carrot seed oil • Identification number(s) • EC number:

• Dangerous components:

	•	components.	%
*	CAS Number	a albima ma	· · · · · · · · · · · · · · · · · · ·
	3387-41-5	sabinene EC number: 222-212-4	10,001-20,00
		• Acute Tox. 4 - H302	
			40.004.00.00
·	80-56-8	ALPHA-PINENE	10,001-20,00
•		EC number: 201-291-9	
		♦ Asp. Tox. 1 - H304; ♦ Flam. Liq. 3	
*		- H226; 💠 Acute Tox. 4 - H302, Skin	
*		Irrit. 2 - H315, Skin Sens. 1B - H317	
*	495-61-4	IbetaBisabolene	5,001-10,00
*		EC number: 610-461-5	
*		🚱 Asp. Tox. 1 - H304; 🕚 Skin Irrit.	
*		2 - H315, Skin Sens. 1 - H317	
*	87-44-5	BETA-CARYOPHYLLENE	5,001-10,00
*		EC number: 201-746-1	
*		Asp. Tox. 1 - H304; 🔱 Skin Sens.	
*		1B - H317	
*	1139-30-6	Caryophyllene oxide	1,001- 5,000
*		EC number: 214-519-7	
*		Aquatic Chronic 2 - H411	
*	105-87-3	GERANYL ACETATE	1,001- 5,000
*		EC number: 203-341-5	
*		Skin Irrit. 2 - H315, Skin Sens. 1B -	
*		H317; Aquatic Chronic 3 - H412	
*	123-35-3	Myrcene	1,001- 5,000
*		EC number: 204-622-5	
*		🕸 Asp. Tox. 1 - H304; 🚸 Flam. Liq. 3	
*		- H226; 🔱 Skin Irrit. 2 - H315, Eye	
*		Irrit. 2 - H319	
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PRODUCT :	Carrot seed oil	, , ,
127-91-3	BETA-PINENE EC number: 204-872-5 ♣ Asp. Tox. 1 - H304; ◆ Flam. Liq. 3	(continued of page 2 1,001- 5,000
	- H226; Skin Irrit. 2 - H315, Skin Sens. 1B - H317	
106-24-1	GERANIOL EC number: 203-377-1	1,001- 5,000
13474-59-4	- H315, Skin Sens. 1 - H317 Bergamotene trans alpha EC number: 603-860-0 Asp. Tox. 1 - H304	1,001- 5,000
99-85-4	p-Mentha-1,4-diene EC number: 202-794-6 Asp. Tox. 1 - H304; Flam. Liq. 3	1,001- 5,000
18794-84-8	- H226 beta-Farnesene EC number: 242-582-0 Asp. Tox. 1 - H304	1,001- 5,000
99-87-6	p-cymene EC number: 202-796-7 Acute Tox. 3 - H331; ♣ Asp. Tox. 1 - H304; ♣ Flam. Liq. 3 - H226; ♣	1,001- 5,000
5989-27-5	Aquatic Chronic 2 - H411 d-limonene EC number: 227-813-5 Asp. Tox. 1 - H304; Flam. Liq. 3	1,001- 5,000
79-92-5	- H226;	0,101-1,000
562-74-3	p-Menth-1-en-4-ol EC number: 209-235-5 Acute Tox. 4 - H302, Acute Tox. 4 -	0,101-1,000
99-86-5	H332, Skin Irrit. 2 - H315, Eye Irrit. 2 - H319, Skin Sens. 1B - H317, STOT SE 3 - H336 1-isopropyl-4-methylcyclohexa-1,3-diene EC number: 202-795-1 Asp. Tox. 1 - H304; Flam. Liq. 3 - H226; Acute Tox. 4 - H302, Skin	0,101-1,000
586-62-9	Sens. 1 - H317; Aquatic Chronic 2 - H411 TERPINOLENE EC number: 209-578-0 Asp. Tox. 1 - H304; Skin Sens.	0,101-1,000
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	PRODUCT:	Carrot seed oil	
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*		1B - H317; 📀 Aquatic Acute 1 - H400	
*		(M=1), Aquatic Chronic 1 - H410 (M=1)	
*	470-82-6	Eucalyptol	0,101-1,000
*		EC number: 207-431-5	
*		🅸 Flam. Liq. 3 - H226; 🕚 Skin Sens.	
*		1B - H317	
*	78-70-6	LINALOOL	0,101-1,000
*		EC number: 201-134-4	
*		Skin Irrit. 2 - H315, Eye Irrit. 2 -	
*		H319, Skin Sens. 1B - H317	
*	23696-85-7	1-(2,6,6-Trimethylcyclohexa-1,3-dienyl)-2-	0,010-0,100
ŧ		buten-1- one	
*		EC number: 245-833-2	
*		Skin Irrit. 2 - H315, Skin Sens. 1A -	
*		H317; 🍫 Aquatic Chronic 2 - H411	

SECTION 04: First aid measures

- 4.1 Description of first aid measures
- General information:
- Seek immediate medical advice.
- After inhalation:
 - Supply fresh air and to be sure call for a doctor.
- After skin contact:
 - If skin irritation continues, consult a doctor.
 - Immediately wash with water and soap and rinse thoroughly.
- After eye contact:
 Pince opened eye for
 - Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- · After swallowing:
- Seek immediate medical advice.
- Information for doctor:
- 4.2 Most important symptoms and effects, both acute and delayed No further relevant information available.
- 4.3 Indication of any immediate medical attention and special treatment needed No further relevant information available.

SECTION 05: Firefighting measures

- 5.1 Extinguishing media
- Suitable extinguishing agents:
 - CO2, sand, extinguishing powder. Do not use water.
 - Use fire extinguishing methods suitable to surrounding conditions.
- For safety reasons unsuitable extinguishing agents: Water with full 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
- Protective equipment:
 - Do not inhale explosion gases or combustion gases.
- Additional information
 - Cool endangered receptacles with water spray.



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SECTION 06: Accidental release measures

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6.1 Personal precautions, protective equipment and emergency procedures

Wear protective equipment. Keep unprotected persons away.

Ensure adequate ventilation

Keep away from ignition sources.

6.2 Environmental precautions:

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

Inform respective authorities in case of seepage into water course or sewage system.

6.3 Methods and material for containment and cleaning up:

Dispose contaminated material as waste according to item 13.

Ensure adequate ventilation.

6.4 Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

SECTION 07: Handling and storage

7.1 Precautions for safe handling

Keep receptacles tightly sealed.
Keep away from heat and direct sunlight.

Ensure good ventilation/exhaustion at the workplace.

Prevent formation of aerosols.

Handle with care. Avoid jolting, friction and impact.

Information about fire - and explosion protection:

Keep ignition sources away - Do not smoke.

Protect against electrostatic charges.

7.2 Conditions for safe storage, including any incompatibilities

• Requirements to be met by storerooms and receptacles:

Store only in the original receptacle.

Prevent any seepage into the ground.

Use only receptacles specifically permitted for this substance/ product.

- Information about storage in one common storage facility:
 - Not required.
- Further information about storage conditions:

Keep container tightly sealed.

Protect from heat and direct sunlight.

Store receptacle in a well ventilated area.

7.3 Specific end use(s)

No further relevant information available.

SECTION 08: Exposure controls/personal protection

8.1 Control parameters

- Ingredients with limit values that require monitoring at the workplace: Not required.
- Additional information:

The lists valid during the making were used as basis.

8.2 Exposure controls

- · Individual protection measures, such as personal protective equipment
- General protective and hygienic measures:

The usual precautionary measures are to be adhered to when handling chemicals.

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing

Wash hands before breaks and at the end of work.

Do not inhale gases / fumes / aerosols.

Do not inhale dust / smoke / mist. Avoid contact with the skin.

Avoid contact with the eyes.

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· Respiratory protection:

Use suitable respiratory protective device in case of insufficient ventilation.

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.

· Protection of hands:

Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

· 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.

· Penetration time of glove material

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

- · Eye/face protection
- Safety glasses
- Body protection:
- Impervious protective clothing
- Boots

SECTION 09: Physical and chemical properties

9.1 Information on basic physical and chemical properties

General Information

Physical state Fluid

Colour:Not determined.Odour threshold:Not determined.Melting point/freezing point:< -20,0 °C</th>Boiling point or initial boiling point and224,0 °C

boiling range

Flammability Not determined.

Lower and upper explosion limit

Lower: Not determined.
Upper: Not determined.

Flash point: 72,0 °C NFT 60-103 CC

Decomposition temperature: Not determined. pH Not determined.

Viscosity:

Kinematic viscosity Not determined.

Dynamic: Not determined.

Solubility

water:Not determined.Partition coefficient n-octanol/water (logNot determined.

value)

Vapour pressure: at 25,00 °C 9,4100 mbar

Density and/or relative density

Density:Not determined.Relative density0,8980 0,941 D20/20Vapour densityNot determined.

9.2 Other information No further relevant information available.

Appearance:

Form: fluid

Important information on protection of health and environment, and on safety.

Auto-ignition temperature: Not determined. Explosive properties: Not determined.

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PRODUCT: Carrot seed oil

Solvent content:

Solids content: 0.00 %

Change in condition

Evaporation rate Not determined.

Information with regard to physical hazard classes

Explosives not applicable not applicable Flammable gases **Aerosols** not applicable Oxidising gases not applicable not applicable Gases under pressure Flammable liquids not applicable Flammable solids not applicable Self-reactive substances and mixtures not applicable **Pyrophoric liquids** not applicable Pyrophoric solids not applicable Self-heating substances and mixtures not applicable Substances and mixtures, which emit not applicable

flammable gases in contact with water

Oxidising liquids not applicable **Oxidising solids** not applicable Organic peroxides not applicable Corrosive to metals not applicable **Desensitised explosives** not applicable

SECTION 10: Stability and reactivity

10.1 Reactivity

No further relevant information available.

10.2 Chemical stability

10.3 Possibility of hazardous reactions

No dangerous reactions known.

10.4 Conditions to avoid

No further relevant information available.

10.5 Incompatible materials:

No further relevant information available.

10.6 Hazardous decomposition products:

Not determined.

SECTION 11: Toxicological information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

- · Acute toxicity
- LD/LC50 values relevant for classification:

ISO LD/LC

8015-88-1 Carrot seed oil Oral, LD50: >=5000 mg/kg (rat) Dermal, LD50: >=5000 mg/kg (Rabbit)

BETA-CARYOPHYLLENE 87-44-5

Oral, LD50: > 5000 mg/kg (rat) (Hart and Wong 1971)

1139-30-6 Caryophyllene oxide Oral, LD50: >5000 mg/kg (rat) (Moreno 1978)

105-87-3 **GERANYL ACETATE**

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Oral, LD50: >4000 mg/kg (rat) (NTP 1987) 5989-27-5 (R)-p-mentha-1,8-diene

Oral, LD50: 4400 mg/kg (rat)

79-92-5 camphene Oral, LD50: 5000 mg/kg (rat) Dermal, LD50: 2500 mg/kg (Rabbit)

ALPHA-TERPINENE 99-86-5

Oral, LD50: 1680 mg/kg (ATE)

470-82-6 Eucalyptol

Oral, LD50: 3849 mg/kg (mouse) (Jiao Xu, 2014)

LINALOOL Oral, LD50: 2790 mg/kg (rat)

Dermal, LD50: 5610 mg/kg (Rabbit)

· Primary irritant effect: Skin corrosion/irritation

Irritant to skin and mucous membranes.

Causes skin irritation.

Serious eye damage/irritation

Strong irritant with the danger of severe eye injury.

Causes serious eye damage.

Respiratory or skin sensitisation

Sensitization possible through skin contact.

· Germ cell mutagenicity

BETA-CARYOPHYLLENE 87-44-5

OECD 471 AMES: NEGATIVE (in vitro) (Heck and al., 1989)

1139-30-6 Caryophyllene oxide

OECD 471 AMES: NEGATIVE (in vitro) (Richold and al, 1979)

GERANYL ACETATE 105-87-3

OECD 471 AMES: NEGATIVE (in vitro) (NTP 1987)

470-82-6 Eucalyptol

OECD 471 AMES: NEGATIVE (in vitro) (Haworth, 1983)

78-70-6 LINALOOL

OECD 471 AMES: NEGATIVE (in vitro) (Letizia and al., 2007)

Carcinogenicity

105-87-3 **GERANYL ACETATE**

Micronoyau: NEGATIVE (mouse) (in vivo, Shelby 1993)

LINALOOL

Micronoyau: NEGATIVE (mouse) (in vivo, Letizia and al., 2007)

Micronoyau: NEGATIVE (in vitro) (DiSotto and al., 2011)

Reproductive toxicity

Not determined.

STOT-single exposure

Not determined.

· STOT-repeated exposure

Not determined.

Aspiration hazard

May be fatal if swallowed and enters airways.

May be fatal if swallowed and enters airways.

• Subacute to chronic toxicity:

BETA-CARYOPHYLLENE

Oral, NOAEL: 700 mg/kg (rat) (90 days Schmitt 2016)

11.2 Information on other hazards

Endocrine disrupting properties

None of the ingredients is listed.

SECTION 12: Ecological information

12.1 Toxicity

Aquatic toxicity:

Carrot seed oil

CE50/48h: 11 mg/l (daphnia) (OECD 202 / EU Method C.2)

ErC50(0-72h): 13 mg/l (algae) (OECD 201)

123-35-3 Myrcene

LD50: 0,51 mg/l (fish) (OECD 203)

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PRODUCT: Carrot seed oil

* CE50/48h: 0,65 mg/l (daphnia)

99-87-6 p-cymene

LD50: 1,63 mg/l (fish) (OECD 203)

* 5989-27-5 (R)-p-mentha-1,8-diene

LD50: 0,71 mg/l (fish) (OECD 203)

* 78-70-6 LINALOOL

* LD50: 27,8 mg/l (fish) ((OECD 203) RIFM 1991)

* ErC50(0-72h): 156,7 mg/l (algae)

* ErC50(0-48h): 59 mg/l (daphnia) ((OECD 202)

12.2 Persistence and degradability

No further relevant information available.

• Behaviour in environmental systems: Not determined.

12.3 Bioaccumulative potential

No further relevant information available.

12.4 Mobility in soil

No further relevant information available.

12.5 Results of PBT and vPvB assessment

• PBT:

Not applicable.

vPvB:

Not applicable.

12.6 Endocrine disrupting properties

The product does not contain substances with endocrine disrupting properties.

12.6 Other adverse effects

No further relevant information available.

• Ecotoxical effects:

Not determined.

Remark:

Harmful to fish

- Additional ecological information:
- General notes:
- Harmful to aquatic organisms
- * The material is harmful to the environment.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Recommendation

Must be specially treated adhering to official regulations.

• Uncleaned packaging:

• Recommendation:

Disposal must be made according to official regulations.

SECTION 14: Transport information

14.1 UN number or ID number

* . ADR Not classified

* . IMDG Not classified

* . IATA Not classified

14.2 UN proper shipping name

* ADR Not classified

* IMDG Not classified

* IATA Not classified

14.3 Transport hazard class(es)

. ADR

* . Class Not classified

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PRODUCT: Carrot seed oil

. IMDG

Class

Not classified

. IATA

. Class Not classified

14.4 Packing group

. ADR Not classified
. IMDG Not classified
. IATA Not classified

14.5 Environmental hazards:

Not applicable.

14.6 Special precautions for user

Not applicable.

14.7 Maritime transport in bulk according to IMO instruments

Not applicable.

SECTION 15: Regulatory information

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

- DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment Annex II
- None of the ingredients is listed.
 - REGULATION (EU) 2019/1148
 - Annex I RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))
- None of the ingredients is listed.
 - Annex II REPORTABLE EXPLOSIVES PRECURSORS
 - None of the ingredients is listed.
 - Regulation (EC) No 273/2004 on drug precursors
 - None of the ingredients is listed.
 - Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors
- None of the ingredients is listed.
- National regulations:
 - Technical instructions (air):
 - Class Share in %

I

- Waterhazard class:
- Water hazard class 2 (Self-assessment): hazardous for water.

15.2 Chemical safety assessment:

A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

The information in this safety data sheet is based on the state of our knowledge at the date indicated. The information in this sheet must be regarded as a description of the safety requirements for the product, they are not to be considered a warranty or quality specification and have no contractual value on properties and application areas thereof. The information contained in this safety data sheet relate to the specific material designated and may not be valid with respect to the product associated with another product or process, unless it is specified in the text of this document.

The required information complies with EU regulations in force. It does not exempt the user from knowing and applying all the national regulations in force.

Relevant phrases

H226 Flammable liquid and vapour.

H228 Flammable solid.

H302 Harmful if swallowed.

H304 May be fatal if swallowed and enters airways.

H315 Causes skin irritation.

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	H317	May cause an allergic skin reaction.
	H318	Causes serious eye damage.
	H319	Causes serious eye irritation.
	H331	Toxic if inhaled.
*	H332	Harmful if inhaled.
*	H336	May cause drowsiness or dizziness.
	H400	Very toxic to aquatic life.
	H410	Very toxic to aquatic life with long lasting effects.
	H411	Toxic to aquatic life with long lasting effects.
	H412	Harmful to aquatic life with long lasting effects.

Minimum training in occupational risk prevention is recommended for personnel who will handle this product, in the purpose of facilitating the understanding and interpretation of this form of safety data in the same way as the labeling of the product.

· Abbreviations and acronyms:

IFRA: International Fragrance Association IOFI: International Organization of the Flavor Industry

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

ICAO: International Civil Aviation Organisation

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic vPvB: very Persistent and very Bioaccumulative

Sources

IFRA/IOFI Labelling Manual, REACH registration dossier, supplier information

* Data compared to the previous version altered.