

1470005

Reviewed on: 30.05.2023
Printing date: 30.05.2023

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

1.1 Product identifier

- Trade name:
CARROT SEEDS OIL S
- Article number:
E7085
- CAS Number:
8015-88-1
- EC Number:
284-545-1
- Registration number
01-2120760213-64-0000

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

Application of the substance / the preparation

Perfume ingredient

Flavouring agent

Only for industrial use

1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier:

BIOLANDES, BP2 TEL: +33(0)5.58.51.00.00
2760 Route de Bélis email: fds@biolandes.com
40420 LE SEN
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



GHS08

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



GHS07

Skin Irrit. 2 - H315 Causes skin irritation.

Eye Irrit. 2 - H319 Causes serious eye 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



GHS08

GHS07

- Signal word

Danger

- Hazard-determining components of labelling:

pin-2(3)-ene / Geranyl acetate / geraniol / beta-Pinene / (R)-p-mentha-1,8-diene / Citral

- 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.

(continued on page 2)

1470005

Reviewed on: 30.05.2023
Printing date: 30.05.2023

PRODUCT : CARROT SEEDS OIL S

(continued of page 1)

- H412 Harmful to aquatic life with long lasting effects.
- 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.
 - P405 Store locked up.
 - 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

- 3.2 Mixtures
- Description: Mixture

Dangerous components:

	CAS Number		%
*	80-56-8	pin-2(3)-ene 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	5,001-10,00
	105-87-3	Geranyl acetate EC number: 203-341-5 ⚠ Skin Irrit. 2 - H315, Skin Sens. 1B - H317; Aquatic Chronic 3 - H412	5,001-10,00
*	106-24-1	geraniol EC number: 203-377-1 ⚠ Eye Dam. 1 - H318; ⚠ Skin Irrit. 2 - H315, Skin Sens. 1 - H317	5,001-10,00
*	3387-41-5	sabinene EC number: 222-212-4 ⚠ Acute Tox. 4 - H302	1,001- 5,00
*	87-44-5	beta-Caryophyllene EC number: 201-746-1 ⚠ Asp. Tox. 1 - H304; ⚠ Skin Sens. 1B - H317	1,001- 5,00
*	495-61-4	l-beta-Bisabolene EC number: 610-461-5 ⚠ Asp. Tox. 1 - H304; ⚠ Skin Irrit. 2 - H315, Skin Sens. 1 - H317	1,001- 5,00
*	127-91-3	beta-Pinene EC number: 204-872-5 ⚠ Asp. Tox. 1 - H304; ⚠ Flam. Liq. 3 - H226; ⚠ Skin Irrit. 2 - H315, Skin Sens. 1B - H317	1,001- 5,00
*	123-35-3	Myrcene	1,001- 5,00

(continued on page 3)

1470005

Reviewed on: 30.05.2023
Printing date: 30.05.2023

PRODUCT : CARROT SEEDS OIL S		
<i>(continued of page 2)</i>		
*	EC number: 204-622-5	
*	 Asp. Tox. 1 - H304;  Flam. Liq. 3	
*	- H226;  Skin Irrit. 2 - H315, Eye	
*	Irrit. 2 - H319	
*	5989-27-5 d-limonene	1,001- 5,00
*	EC number: 227-813-5	
*	 Asp. Tox. 1 - H304;  Flam. Liq. 3	
*	- H226;  Skin Irrit. 2 - H315, Skin	
*	Sens. 1B - H317;  Aquatic Acute 1 -	
*	H400; Aquatic Chronic 3 - H412	
*	99-87-6 p-cymene	0,101-1,00
*	EC number: 202-796-7	
*	 Acute Tox. 3 - H331;  Asp. Tox. 1	
*	- H304;  Flam. Liq. 3 - H226; 	
*	Aquatic Chronic 2 - H411	
*	4602-84-0 Farnesol	0,101-1,00
*	EC number: 225-004-1	
*	 Skin Irrit. 2 - H315, Eye Irrit. 2 -	
*	H319, Skin Sens. 1B - H317	
*	79-92-5 camphene	0,101-1,00
*	EC number: 201-234-8	
*	 Flam. Sol. 1 - H228;  Aquatic	
*	Acute 1 - H400, Aquatic Chronic 1 - H410	
*	5392-40-5 Citral	0,101-1,00
*	EC number: 226-394-6	
*	 Skin Irrit. 2 - H315, Eye Irrit. 2 -	
*	H319, Skin Sens. 1B - H317	
*	99-86-5 1-isopropyl-4-methylcyclohexa-1,3-diene	0,101-1,00
*	EC number: 202-795-1	
*	 Asp. Tox. 1 - H304;  Flam. Liq. 3	
*	- H226;  Acute Tox. 4 - H302, Skin	
*	Sens. 1 - H317;  Aquatic Chronic 2 -	
*	H411	
*	Oral: ATE = 1680 mg/kg	
*	78-70-6 LINALOOL	0,101-1,00
*	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-	0,01-0,100
*	buten-1- one	
*	EC number: 245-833-2	
*	 Skin Irrit. 2 - H315, Skin Sens. 1A -	
*	H317;  Aquatic Chronic 2 - H411	
<ul style="list-style-type: none"> Additional information: For the wording of the listed risk phrases refer to section 16. 		

EU

(continued on page 4)

1470005

Reviewed on: 30.05.2023
Printing date: 30.05.2023

PRODUCT : CARROT SEEDS OIL S

(continued of page 3)

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:
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.

SECTION 06: Accidental release measures

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.

EU

(continued on page 5)

1470005

Reviewed on: 30.05.2023
Printing date: 30.05.2023

PRODUCT : CARROT SEEDS OIL S
(continued of page 4)

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

Storage:

- 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:
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
- 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 eyes.
- Respiratory protection:
Use suitable respiratory protective device in case of insufficient ventilation.
* Filter P3
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. 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.
- 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:

(continued on page 6)

1470005

Reviewed on: 30.05.2023
Printing date: 30.05.2023

PRODUCT : CARROT SEEDS OIL S

(continued of page 5)

* 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:	pale yellow to amber
Odour:	fruit-like
Odour threshold:	Not determined.
Melting point/freezing point:	-20,0 °C
Boiling point or initial boiling point and boiling range	223,7 °C
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 (log value)	Not determined.
Vapour pressure:	at 20,00 °C 7,2400 mbar at 25,00 °C 9,4100 mbar
Density and/or relative density	
Density:	Not determined.
Relative density	0,8980 0,9410 (D20/4)
Vapour density	Not 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.
Solvent content:	
Solids content:	0,00 %
Change in condition	
Evaporation rate	Not determined.
Information with regard to physical hazard classes	
Explosives	not applicable
Flammable gases	not applicable
Aerosols	not applicable
Oxidising gases	not applicable
Gases under pressure	not applicable
Flammable liquids	not applicable
Flammable solids	not applicable
Self-reactive substances and mixtures	not applicable

(continued on page 7)

1470005

Reviewed on: 30.05.2023
Printing date: 30.05.2023

PRODUCT : CARROT SEEDS OIL S

(continued of page 6)

Pyrophoric liquids	not applicable
Pyrophoric solids	not applicable
Self-heating substances and mixtures	not applicable
Substances and mixtures, which emit flammable gases in contact with water	not applicable
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

CARROT SEEDS OIL S

Oral, LD50: >5000 mg/kg (rat) (OECD 401 (1974))

- Primary irritant effect:
- Skin corrosion/irritation
Irritant to skin and mucous membranes.
Causes skin irritation.
- Serious eye damage/irritation
Irritating effect.
Causes serious eye irritation.
- Respiratory or skin sensitisation
Sensitization possible through skin contact.
- Germ cell mutagenicity

105-87-3

Geranyl acetate

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

87-44-5

beta-Caryophyllene

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

*

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)

*

78-70-6

LINALOOL

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

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

- Reproductive toxicity

(continued on page 8)

1470005

Reviewed on: 30.05.2023
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PRODUCT : CARROT SEEDS OIL S

(continued of page 7)

- 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:
- 87-44-5 beta-Caryophyllene**
Oral, NOAEL: 700 mg/kg (rat) (90 days Schmitt 2016)
- Additional toxicological information:
The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version:
Harmful
Irritant
Carcinogenic if inhaled.
- 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 SEEDS OIL S
CE50/48h: 11 mg/l (daphnia) (OECD 202 (calculation))
ErC50(0-72h): 13 mg/l (algae) (OECD 201 (calculation))
- 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.
- Ecotoxicological effects:
Not determined.
 - Remark:
Harmful to fish
 - Additional ecological information:
 - General notes:
Harmful to aquatic organisms
The product contains materials that are harmful to the environment.

EU

(continued on page 9)

1470005

Reviewed on: 30.05.2023
Printing date: 30.05.2023

PRODUCT : CARROT SEEDS OIL S

(continued of page 8)

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 |
| | . 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:

(continued on page 10)

1470005

Reviewed on: 30.05.2023
Printing date: 30.05.2023

PRODUCT : CARROT SEEDS OIL S

(continued of page 9)

- * • 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.
- * H317 May cause an allergic skin reaction.
- * H318 Causes serious eye damage.
- * H319 Causes serious eye irritation.
- * H331 Toxic if inhaled.
- * 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.

- Training hints
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.