





Material Safety Data Sheet – Essential Oil of Carrot Seeds

1. Product and Company Identification

Product name	Essential oil of Carrot Seeds
Botanical name	Daucus carota L.
INCI name	Daucus carota oil
Product use	Perfume or flavouring ingredient
Company information	SAFRANAROMATIC SARL 9 AVENEU DU VIGAN , 30440 SUMENE, FRANCE Tel : 0033 (0)6 87 31 14 61 email : safranaromatic@free.fr
Emergency Number (Orfila)	+33 145 42 59 59

2. Hazards identification

Signal Word: Danger

Classification	Pictograms	Hazards statements
Flam. Liq. 3 (FL 3)	 SGH02	H226 : Flammable liquid and vapour
Skin Irrit. 2 (SCI 2)	 SGH07	H315: Causes skin irritation
Asp. Tox. 1 (AH 1)	 SGH08	H304 : May be fatal if swallowed and enters airways
Aquatic Acute 1, Aquatic Chronic 1 (EHA1,ENC1)	 SGH09	H410 : Very <i>toxic</i> to aquatic life with long lasting effects

Precautionary statements

P301+P310	: IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician
P302+P352	IF ON SKIN: Wash with plenty of soap and water.
P273	Avoid release to the environment.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P501	Dispose of contents/container in accordance with local regulations

3. Composition/Information on ingredients

Kind of product	Essential Oil, Natural Complex substance (NCS, 100% pure and natural)				
N° CAS (TSCA - USA)	8015-88-1				
N° EINECS (EC)	284-545-1				
N° EINECS CAS	84929-61-3				
N° CoE	173n	N° FEMA	2244	FDA	182.20

Hazardous or Allergens ingredients (in accordance EC Directives, IFRA and EFFA Code of Practice)

Ingredient	n°CAS	n°EINECS	Classification and hazards statements	max limit
Alpha and Béta Pinene	80-56-8 127-91-3	201-291-9 204-872-5	Flam. Liq. 3, H226; Asp. Tox. 1, H304; Skin Sens. 1, H317; Aquatic Acute 1, Aquatic Chronic 1, H410	20%
Limonene	5989-27-5	227-813-5	Flam. Liq. 3, H226; Asp. Tox. 1, H304; Skin Irrit. 2, H315; Skin Sens. 1, H317; Aquatic Acute 1, Aquatic Chronic 1, H410	3%
Linalol	78-70-6	201-134-4	Skin Irrit. 2, H315	2%
Géranol	106-24-1	203-377-1	Skin Irrit. 2, H315; Eye Dam. 1, H318; Skin Sens. 1, H317	2%

4. First-Aid measures

- Skin contact
- Wash contaminated skin with copious amounts of water and soap. Remove contaminated clothes and wash them before reuse.
 - Summon a physician, if an irritation appears.
- Eye contact
- Rinse immediately with copious amounts of water for at least 10 minutes – open eyelids forcibly.
 - Summon a physician, if an irritation appears.
- Ingestion
- Rinse mouth with water.
 - Summon a physician immediately.
- Excessive Inhalation
- Remove to fresh air environment.
 - Summon a physician immediately.

5. Fire-fighting measures

- Suitable extinguishing media
- carbon dioxide, dry powder, foam.
- Specific hazards
- avoid exposure to vapors. If necessary, use appropriate respirator.

6. Accidental release measures

- Personal precautions
- wear protective gloves, do not smoke, keep away sources of ignition. Avoid skin contact and inhalation of vapors. Ventilate well the spilled area.
- Environmental protection
- do not allow to enter drains or waterways.
- Methods for cleaning up
- wear gloves.
 - collect spills with an absorbent material and clean up with a detergent. Do not use any solvents. Hand over all used materials to waste removal.

7. Handling and storage

Handling

- Technical measures
- handle containers with care. Provide good ventilation. Avoid contact with skin, eyes and clothes. Do not smoke.
- Suitable materials
- stainless steel, aluminum, glass.
- Unsuitable materials
- plastic, PVC.

Storage

- Storage conditions
- dry, cool and well ventilated places.
 - keep containers tightly closed.
 - keep away from sun any source of heat.

8. Exposure controls/Personal protection

- Engineering Measures
- see 7.

Personal protective equipment

Do only handle in well-ventilated areas. Wear gloves, glasses and adapted clothes.

9. Physical and chemical properties

Color	light yellow to amber yellow
Form	liquid
Odor	characteristic
Density	0,900 – 0,945 (20°C)
Angular rotation	-30° - -4° (20°C)
Refraction index	1,480 – 1,493 (20°C)
Solubility	water: not soluble alcohol: 1 : 2 vol. Ethanol 80% (20°C)
Flash point (liquid)	≥ 58°C

10. Stability and reactivity

Stability	- stable product in adapted storage conditions.
Conditions to avoid	- do not heat to temperatures of more than 150°C. - do not expose to sun.
Materials to avoid	- plastics, PVC.

11. Toxicological information

Acute toxicity	- LD ₅₀ >5g/kg (oral, rat) - LD ₅₀ >5g/kg (skin, rabbit)
IFRA Restrictions	This substance and/or some of its components are covered by the Code of Practice IFRA, 42 ^{ème} amendment of May 16th 2007 (www.ifraorg.org) (see 3)
Local effects	- skin and eyes : irritant

12. Ecological information

This product is to be considered as being potentially dangerous for environment. Avoid any pollution of surface and ground waters.

Observe local/national regulations.

13. Disposal considerations

Waste destruction (directive 75/442/CE and 91/689/CE): incineration and dispose of waste material in accordance with ECC or local/national regulations.

Container reuse: An "empty" container can contain product residue, and should not be reused.

14. Transport information

Customs Tariff Nr. 3301.2941
UN code 1169

Road (ADR/RID: Class 3 item 31/c RID No 301; ADR RN N/2301

Air (IATA/ICAO): Class 3 Packaging group III

Sea (IMDG): 3036-1 Class 3

CHIP: See section 15

15. Regulatory information

Hazards: Harmful

Symbols: Xn

Risk Phrases: R22 Harmful if swallowed

Safety Phrases: S46 If swallowed seek medical advice immediately and show the container / label

16. Other information

Bibliographic References :

- Guide of Safety Data Sheets of Annexe II Regulation EC n° 1907/2006 of the European Parliament concerning the Registration, Evaluation and Authorisation of Chemical (REACH)
- The EFFA Code Of Practice 2010, 23th of September 2010.

Last changes 30/11/2015 :

- New Regulation EC n°1272/2008
- Item 2 : New hazard and precautionary statements / pictograms

The information of this safety data sheet is based on current scientific knowledge. It should not be taken as expressing or implying any warranty concerning product characteristics.