



**AMPHORA AROMATICS
LIMITED**

essential oils, skincare & aromatherapy products

SAFETY DATA SHEET

1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

PRODUCT NAME: Carrot Seed Essential Oil

SUPPLIER: Amphora Aromatics Limited, Airfield House, Western Drive, Bristol, BS14 0AF

PRODUCT NUMBER: 107

CAS NUMBER: 8015-88-1 / 84929-61-3

EC NUMBER: 284-545-1

INCI: Daucus Carota Sativa Seed Oil

IDENTIFIED USES: Suitable for Cosmetic and food flavouring use.

BIOLOGICAL DEFINITION: Daucus Carota Sativa Seed Oil is the oil obtained by steam distillation from the seed of the carrot, Daucus carota L. var. sativa, Umbelliferae.

2: HAZARDS IDENTIFICATION

CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

CAS: 8015-88-1 / 84929-61-3

EC: 284-545-1

CLASSIFICATION (EC 1272/2008):

- | | |
|--------------------------|---|
| - PHYSICAL HAZARDS: | Flam. Liq. 3 - H226 |
| - HEALTH HAZARDS: | Asp Tox 1 – H304
Skin Irrit 2 – H315
Skin sens 1 – H317 |
| - ENVIRONMENTAL HAZARDS: | Aquatic Chronic 2 – H411 |

LABEL ELEMENTS

PICTOGRAM:



SIGNAL WORD:

DANGER

HAZARD STATEMENTS:

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.
H411 Toxic to aquatic life with long lasting effects.

PRECAUTIONARY STATEMENTS:

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P261 Avoid breathing fume/mist/vapours/spray.
P273 Avoid release to the environment.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/doctor.
P302+P352 IF ON SKIN: Wash with plenty of water.
P331 Do NOT induce vomiting.

SDS: 107 Carrot Seed Essential Oil

Compiled by: Johndan Chilcott, Regulatory Affairs - Approved by Woody Evans, Director – Date: 02/05/2019 - Version: 3



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SUPPLEMENTARY PRECAUTIONARY STATEMENTS	P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
CONTAINS:	P362+P364 Take off contaminated clothing. And wash it before reuse. P370+P378 In case of fire: Use dry chemical powder, foam, carbon dioxide to extinguish. P391 Collect spillage. P501 Dispose of contents in accordance with local, state or national legislation.
	P233 Keep container tightly closed. P264 Wash hands and exposed skin thoroughly after handling.
	beta-Bisabolene, Trans-beta-Farnesene, alpha-Pinene, d-Limonene

3: COMPOSITION/INFORMATION ON INGREDIENTS

1 – 5% beta-Bisabolene

CAS NUMBER: 495-61-4	EC NUMBER: 610-461-5
CLASSIFICATION (EC 1272/2008):	Asp. Tox. 1 - H304 Skin Irrit. 2 - H315 Skin Sens. 1 - H317

1 - 5% Trans-beta-Farnesene

CAS NUMBER: 18794-84-8	EC NUMBER: 242-582-0
CLASSIFICATION (EC 1272/2008):	Asp. Tox. 1 – H304

≤ 2% alpha-Pinene

CAS NUMBER: 80-56-8	EC NUMBER: 201-291-9
CLASSIFICATION (EC 1272/2008):	Flam. Liq. 3 – H226 Acute Tox. 4 H302 Asp. Tox. 1 – H304 Skin Irrit. 2 – H315 Skin Sens. 1 – H317 Aquatic Acute 1 – H400 Aquatic Chronic 1 – H410

≤ 2% d-Limonene

CAS NUMBER: 5989-27-5	EC NUMBER: 227-813-5
CLASSIFICATION (EC 1272/2008):	Flam. Liq. 3 - H226 Asp. Tox. 1- H304 Skin Irrit. 2 - H315 Skin Sens. 1 - H317 Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410

≤ 1% Caryophyllene Oxide

CAS NUMBER: 1139-30-6	EC NUMBER: 214-519-7
CLASSIFICATION (EC 1272/2008):	Aquatic Chronic 2 – H411



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≤ 1% beta-Pinene

CAS NUMBER: 127-91-3

CLASSIFICATION (EC 1272/2008):

EC NUMBER: 204-872-5

Flam. Liq. 3 – H226

Asp. Tox. 1 – H304

Skin Irrit. 2 – H315

Skin Sens. 1 – H317

Aquatic Acute 1 – H400

Aquatic Chronic 1 – H410

≤ 1% Myrcene

CAS NUMBER: 123-35-3

CLASSIFICATION (EC 1272/2008):

EC NUMBER: 204-622-5

Flam. Liq. 3 - H226

Asp. Tox. 1 – H304

Skin Irrit. 2 - H315

Eye Irrit. 2- H319

Aquatic Acute 1 – H400

Aquatic Chronic 1 – H410

≤ 1% beta-Caryophyllene

CAS NUMBER: 87-44-5

CLASSIFICATION (EC 1272/2008):

EC NUMBER: 201-746-1

Asp. Tox. 1 H304

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

4: FIRST AID MEASURES

INHALATION:

Remove from exposure area to fresh air. Get medical advice/attention.

INGESTION:

Do not induce vomiting. Ingestion may cause nausea and vomiting. Immediately rinse mouth and provide fresh air. Get medical advice/attention.

SKIN CONTACT:

Remove contaminated clothing immediately and wash skin with soap and water. Get medical advice/attention if any discomfort continues.

EYE CONTACT:

Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and open eyes wide apart. Get medical advice/attention. Continue to rinse.

MOST IMPORTANT SYMPTOMS AND EFFECTS,

BOTH ACUTE AND DELAYED:

Allergic contact dermatitis.

INDICATION OF ANY IMMEDIATE MEDICAL

ATTENTION AND SPECIAL TREATMENT NEEDED:

Treat symptomatically.



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5: FIREFIGHTING MEASURES

EXTINGUISHING MEDIA RECOMMENDED:	Dry chemical powder, foam, carbon dioxide (CO ₂).
UNSUITABLE EXTINGUISHING MEDIA:	Do not use water jet as an extinguisher, as this will spread the fire.
SPECIAL HAZARDS ARISING FROM THE PRODUCT:	A fire will often produce a thick black smoke. Exposure to decomposition products may be hazardous to health. Do not breathe in smoke. Thermal decomposition or combustion products may include the following substances: Carbon dioxide (CO ₂), Carbon monoxide (CO). Containers close to fire should be removed or cooled with water.
ADVICE FOR FIREFIGHTERS:	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

6: ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES:	Use protective gloves, goggles and suitable protective clothing. In case of spills, beware of slippery floors and surfaces.
ENVIRONMENT PRECAUTIONS:	Avoid discharge into water courses or onto the ground.
CLEANING UP METHODS FOR SPILLAGES:	Absorb with inert, damp, non-combustible material, and then flush area with water. Shovel into dry containers. Cover and move the containers. Flush the area with water.
REFERENCE TO OTHER SECTIONS:	Wear protective clothing as described in Section 8 of this safety data sheet.

7: HANDLING AND STORAGE

USAGE PRECAUTIONS:	Avoid spilling, skin and eye contact. Ensure adequate ventilation of the working Area. Adopt best manual handling considerations when handling, carrying and dispensing.
STORAGE PRECAUTIONS:	Store in tightly closed original container in a dry, cool and well-ventilated place. Keep away from heat, sparks and open flame. Protect from freezing and direct sunlight.



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8: EXPOSURE CONTROLS/PERSONAL PROTECTION

PROTECTIVE EQUIPMENT:



PROCESS CONDITIONS:

ENGINEERING MEASURES:

RESPIRATORY EQUIPMENT:

HAND PROTECTION:

EYE PROTECTION:

OTHER PROTECTION:

HYGIENE MEASURES:

PERSONAL PROTECTION:

SKIN PROTECTION:

ENVIRONMENTAL EXPOSURE CONTROLS:

Provide eyewash station and safety shower.

Provide adequate ventilation or respiratory protection.

Generally unnecessary in a well-ventilated area.

If ventilation is insufficient, respiratory protection must be worn.

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

Avoid contact with eyes.

Use eye protectors designed to protect against liquid splashes

Before handling, wear safety goggles in accordance with standard EN166.

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.

Good personal hygiene practices are always advisable, especially when working with chemicals / oils. 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.

Avoid inhalation and contact with skin and eyes.

Avoid skin contact. Wear suitable protective clothing.

Avoid discharging into drainage water.

9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE:

Mobile liquid

COLOUR:

Light yellow to amber

ODOUR:

Fresh herbaceous woody with earthy undertone

RELATIVE DENSITY:

Approx. 0.940 @ 20°C

FLASH POINT (°C):

59

REFRACTIVE INDEX:

Approx. 1.500@ 20°C

MELTING POINT (°C):

No additional data available.

BOILING POINT (°C):

No additional data available.

VAPOUR PRESSURE:

No additional data available.

SOLUBILITY IN WATER @20°C:

No additional data available.

AUTO-IGNITION TEMPERATURE (°C):

No additional data available.



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10: STABILITY AND REACTIVITY

REACTIVITY:	No additional data available.
CHEMICAL STABILITY:	Stable under normal temperature conditions.
POSSIBLE HAZARDOUS REACTIONS:	No additional data available.
CONDITIONS TO AVOID:	Avoid heat, flames and other sources of ignition.
INCOMPATIBLE MATERIALS:	Avoid strong oxidising substances. Strong acids. Strong Alkalis.
HAZARDOUS DECOMPOSITION PRODUCTS:	In case of fire, toxic gases (CO, CO ₂ , NO _x) may be formed.

11: TOXICOLOGICAL INFORMATION

ACUTE TOXICITY:	Not classified.
SKIN CORROSION / IRRITATION:	Causes skin irritation.
SERIOUS EYE DAMAGE / IRRITATION:	Not classified.
RESPIRATORY OR SKIN SENSITISATION:	May cause an allergic skin reaction.
GERM CELL MUTAGENICITY:	Not classified.
CARCINOGENICITY:	Not classified.
REPRODUCTIVE TOXICITY:	Not classified.
STOT-SINGLE EXPOSURE:	Not classified.
STOT-REPEATED EXPOSURE:	Not classified.
ASPIRATION HAZARD:	May be fatal if swallowed and enters airways.
PHOTO-TOXICITY:	No additional data available.
OTHER INFORMATION:	No additional data available.

12: ECOLOGICAL INFORMATION

ECOTOXICITY:	Toxic to aquatic life with long lasting effects.
PERSISTENCE AND DEGRADABILITY:	No additional data available.
BIOACCUMULATIVE POTENTIAL:	No additional data available.
MOBILITY IN SOIL:	The product is insoluble in water.
RESULTS OF PBT AND vPvB ASSESSMENT:	No additional data available.
PRECAUTIONS:	No additional data available.

13: DISPOSAL CONSIDERATIONS

DISPOSAL METHODS:	Do not pour into drains or waterways. Waste is suitable for incineration. Dispose of in accordance with local, regional and national regulations. Seek expert advice.
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14: TRANSPORT INFORMATION

UN No. ROAD: 1169
UN No. SEA: 1169
UN No. AIR: 1169
PROPER SHIPPING NAME: EXTRACTS, AROMATIC, LIQUID.

TRANSPORT HAZARD CLASS(ES):

- ADR/RID/ADN CLASS: 3: Flammable liquid.
- IMDG CLASS: 3: Flammable liquid.
- ICAO CLASS: 3: Flammable liquid.



PACKING GROUP:

- ADR/RID/ADN PACKING GROUP: III
- IMDG PACKING GROUP: III
- ICAO PACKING GROUP: III

ENVIRONMENTAL HAZARDS: Environmentally Hazardous
Substance/Marine Pollutant



SPECIAL PRECAUTIONS FOR USER:

- ADR TUNNEL RESTRICTION CODE: (D/E)
- ADR HAZARD NO: 30
- ADR LABEL NO: 3
- HAZCHEM CODE: •3YE
- EMS: F-E, S-D

TRANSPORT IN BULK ACCORDING TO ANNEX II OF MARPOL73/78 AND THE IBC CODE: No additional data available.

15: REGULATORY INFORMATION

STATUTORY INSTRUMENTS: The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (S.I 2009 No. 716).

EU LEGISLATION: Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments.

GUIDANCE: Workplace Exposure Limits EH40. CHIP for everyone HSG (108).



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16: OTHER INFORMATION

HAZARD AND/OR PRECAUTIONARY
STATEMENTS IN FULL

H226 Flammable liquid and vapour.
H302 Harmful if swallowed.
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.
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.

Q.C. REQUIREMENTS.

In-line with general product specification. Always satisfy suitability for specific application.
Retest after 6 months.

The data provided in this material safety data sheet is meant to represent typical data/analysis for this product and is correct to the best of our knowledge. The data was obtained from current and reliable sources, but is supplied without warranty, expressed or implied, regarding its' correctness or accuracy. It is the user's responsibility to determine safe conditions for the use of this product, and to assume liability for loss, injury, damage or expense arising from improper use of this product. The information provided does not constitute a contract to supply to any specification, or for any given application, and buyers should seek to verify their requirements and product use.