



**AMPHORA AROMATICS
LIMITED**

essential oils, skincare & aromatherapy products

SAFETY DATA SHEET

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

PRODUCT NAME: **Caraway Seed Oil**

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

TELEPHONE: +44 (0)117-9087770.

PRODUCT NUMBER: **106**

CAS NUMBER: 8000-42-8

EC NUMBER: n/a

INCI: Carum Carvi Seed Oil.

IDENTIFIED USES: Concentrated material for manufacturing purposes only.

BIOLOGICAL DEFINITION: Carum Carvi Seed Oil is the fixed oil obtained from the seeds of Caraway, Carum carvi L., Apiaceae.

2: HAZARDS IDENTIFICATION

CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

CLASSIFICATION (EC 1272/2008):

- PHYSICAL HAZARDS: Flammable liquids Category 3.
- HEALTH HAZARDS: Acute Tox. Category 4
Asp. Tox. Category 1
Skin Irrit. Category 2
Skin Sens. Category 1
- ENVIRONMENTAL HAZARDS: Aquatic Acute hazard Category 1
Aquatic Chronic hazard Category 1

LABEL ELEMENTS

PICTOGRAM:



SIGNAL WORD:

DANGER

HAZARD STATEMENTS:

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.
H410 Very toxic to aquatic life with long lasting effects

SDS: **106 Caraway Essential Oil**

Compiled by: Johndan Chilcott, Regulatory Affairs - Approved by Woody Evans, Director – Date: 29/07/2019 Version: 4



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PRECAUTIONARY STATEMENTS:	P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking. P233 Keep container tightly closed. P240 Ground/bond container and receiving equipment. P241 Use explosion-proof electrical/ventilating/lighting equipment. P242 Use only non-sparking tools. P243 Take precautionary measures against static discharge. P261 Avoid breathing mist or vapour. P264 Wash thoroughly after handling. P270 Do not eat, drink or smoke when using this product. P273 Avoid release to the environment. P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER/doctor. P303 + P361 +P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water. P312 Call a POISON CENTER/doctor if you feel unwell. P330 Rinse mouth. P331 Do NOT induce vomiting. P280 Wear protective gloves/protective clothing/eye protection. P370 + P378 In case of fire: Use foam, carbon dioxide or dry powder to extinguish.
SUPPLEMENTARY PRECAUTIONARY STATEMENTS:	P272 Contaminated work clothing should not be allowed out of the workplace. P333 + P313 If skin irritation or rash occurs: Get medical advice/attention. P362 + P364 Take off contaminated clothing and wash it before reuse. P391 Collect spillage. P403 + P235 Store in a well-ventilated place. Keep cool. P501 Dispose of contents in accordance with local, state or national legislation.
CONTAINS:	Carvone, Limonene

3: COMPOSITION/INFORMATION ON INGREDIENTS

<63.0% Carvone

CAS NUMBER: 99-49-0

CLASSIFICATION (EC 1272/2008):

EC NUMBER: 202-759-5

Acute Tox. 4 - H302

Skin Sens. 1 - H317

<45.0% Limonene

CAS NUMBER: 5989-27-5

CLASSIFICATION (EC 1272/2008):

EC NUMBER: 227-813-5

Flam. Liq. 3 – H226

Asp Tox. 1 – H304

Skin Irrit 2 – H315

Skin Sens. 1 – H317

Aquatic Acute 1 – H400

Aquatic Chronic 1 – H410



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<0.50% Myrcene (7-methyl-3-methyleneocta-1,6-diene)

CAS NUMBER: 123-35-3

EC NUMBER: 204-622-5

CLASSIFICATION (EC 1272/2008):

Flam. Liq. 3 - H226

Asp. Tox. 1 - H304

Skin Irrit. 2 - H315

Eye Irrit. 2 - H319

Aquatic Acute 1- H400

Aquatic Chronic 1 H410

<0.10% 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

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

4: FIRST AID MEASURES

INHALATION:

If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing. For breathing difficulties, oxygen may be necessary. Call a physician if symptoms develop or persist.

INGESTION:

Call a physician or poison control centre immediately. If swallowed, rinse mouth with water (only if the person is conscious). Do not induce vomiting. If vomiting occurs, the head should be kept low so that stomach vomit doesn't enter the lungs.

SKIN CONTACT:

Take off immediately all contaminated clothing. Get medical attention if irritation develops and persists. Wash skin thoroughly with soap and water for several minutes.

EYE CONTACT:

Remove contact lenses, if present and easy to do. Get medical attention if irritation develops and persists. Promptly wash eyes with plenty of water while lifting the eye lids.

MOST IMPORTANT SYMPTOMS AND EFFECTS,
BOTH ACUTE AND DELAYED:

Dermatitis. Rash. Direct contact with eyes may cause temporary irritation. Skin irritation. May cause redness and pain. May cause an allergic skin reaction.

INDICATION OF ANY IMMEDIATE MEDICAL

ATTENTION AND SPECIAL TREATMENT NEEDED:

No additional data available.



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5: FIREFIGHTING MEASURES

EXTINGUISHING MEDIA RECOMMENDED:	Foam, carbon dioxide or dry powder.
UNSUITABLE EXTINGUISHING MEDIA:	Do not use water jet as an extinguisher as it may scatter and spread fire.
SPECIFIC HAZARDS:	Irritating, corrosive and/or toxic gases.
ADVICE FOR FIREFIGHTERS	Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA. Structural : firefighters protective clothing will only provide limited protection. Wear self-contained breathing apparatus with a full face piece operated in the positive pressure demand mode when fighting fires.
FIRE FIGHTING EQUIPMENT/INSTRUCTIONS:	In case of fire and/or explosion do not breathe fumes. Use standard firefighting procedures and consider the hazards of other involved materials. Move containers from fire area if you can do so without risk. Water runoff can cause environmental damage. Ventilate closed spaces before entering them. Keep run-off water out of sewers and water sources. Dike for water control.
GENERAL FIRE HAZARDS:	Use water spray to cool unopened containers. Static charges generated by emptying package in or near flammable vapour may cause flash fire.

6: ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS:	Keep unnecessary personnel away. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering them. Eliminate all sources of ignition. Avoid contact with skin or inhalation of spillage, dust or vapour..
ENVIRONMENT PRECAUTIONS:	Prevent further leakage or spillage if safe to do so. Do not contaminate water. Retain and dispose of contaminated wash water. Avoid release to the environment. Contact local authorities in case of spillage to drain/aquatic environment.
CLEANING UP METHODS FOR SPILLAGES:	Eliminate all ignition sources (no smoking, flares, sparks or flames in immediate area). Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Absorb with inert absorbent such as dry clay, sand or diatomaceous earth, commercial sorbents, or recover using pumps. The product is immiscible with water and will spread on the water surface. Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Cover with plastic sheet to prevent spreading. Prevent product from entering drains. Do not allow material to contaminate ground water system. Absorb in vermiculite, dry sand or earth and place into containers. Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

Never return spills in original containers for re-use. This material and its container must be disposed of as hazardous waste.



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7: HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING:

Do not handle or store near an open flame, heat or other sources of ignition. Take precautionary measures against static discharges. All equipment used when handling the product must be grounded. Avoid breathing vapour. Avoid contact with eyes, skin, and clothing. Avoid prolonged exposure. Wash thoroughly after handling.

CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES:

Keep container closed. Handle containers with care. Open slowly in order to control possible pressure release. Store in a cool, well-ventilated area.

SPECIFIC END USE(S):

No additional data available

8: EXPOSURE CONTROLS/PERSONAL PROTECTION

PROTECTIVE EQUIPMENT:



Process Conditions
Engineering Measures

Provide eyewash station.
Use explosion-proof ventilation equipment to stay below exposure limits.

Respiratory Equipment

Respiratory protection not required. If ventilation is insufficient, suitable respiratory protection must be provided.

Hand Protection

Chemical resistant gloves (PVC).

Eye Protection

Wear safety glasses with side shields (or goggles).

Other Protection

When using, do not eat, drink or smoke. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Contaminated work clothing should not be allowed out of the workplace.

Hygiene Measures

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

Personal Protection

Use personal protection according to Directive 89/686/EEC.

Skin Protection

Chemical resistant gloves.

Wear apron or protective clothing in case of contact.

Environmental Exposure Controls

Avoid discharging into drainage water. Only eliminate by authorised companies.



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9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Liquid.
Colour	Pale yellow to amber yellow.
Odour	Flowery, slightly woody.
Relative Density	Approx. 0.910 @ 20°C
Flash Point (°C)	133.0 °F (56.1 °C) Closed Cup.
Refractive Index	Approx. 1.485 @ 20°C
Melting Point (°C)	No additional data available.
Boiling Point (°C)	No additional data available.
Vapour Pressure	0.1 mm Hg at 25 °C
Solubility in Water @20°C	Insoluble in water.
Auto-ignition temperature (°C)	No additional data available.

10: STABILITY AND REACTIVITY

REACTIVITY:	The product is stable and non-reactive under normal conditions of use, storage and transport.
STABILITY:	Material is stable under normal conditions.
POSSIBILITY OF HAZARDOUS REACTIONS:	No dangerous reaction known under conditions of normal use.
CONDITIONS TO AVOID:	Avoid heat, sparks, open flames and other ignition sources. Avoid temperatures exceeding the flash point. Contact with incompatible materials.
INCOMPATIBLE MATERIALS:	Strong oxidising agents.
HAZARDOUS DECOMPOSITION PRODUCTS:	No hazardous decomposition products if stored and handled as indicated.

11: TOXICOLOGICAL INFORMATION

ACUTE TOXICITY:	Harmful if swallowed.
SKIN CORROSION / IRRITATION:	Causes skin irritation.
SERIOUS EYE DAMAGE / IRRITATION:	Not classified
RESPIRATORY OR SKIN SENSITISATION:	Skin: May cause an allergic skin reaction.
GERM CELL MUTAGENICITY:	No data available to indicate product or any components present at greater than 0.1% are mutagenic or geno-toxic.
CARCINOGENICITY:	OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050) Not listed.
REPRODUCTIVE TOXICITY:	This product is not expected to cause reproductive or developmental effects.
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.



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12: ECOLOGICAL INFORMATION

TOXICITY:	Very toxic to aquatic life with long lasting effects. Accumulation in aquatic organisms is expected.
PERSISTENCE AND DEGRADABILITY:	No data is available on the degradability of this product.
BIOACCUMULATIVE POTENTIAL:	No data available on bioaccumulation.
MOBILITY IN SOIL:	No additional data available.
RESULTS OF PBT AND VPVB ASSESSMENT:	No additional data available
OTHER ADVERSE EFFECTS:	No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

13: DISPOSAL CONSIDERATIONS

WASTE TREATMENT METHODS:	Dispose of waste product or used containers in accordance with local regulations.
WASTE FROM RESIDUES / UNUSED PRODUCTS:	Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).
CONTAMINATED PACKAGING:	Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied.

14: TRANSPORT INFORMATION

UN NO. (ROAD/SEA/AIR):	1169
UN PROPER SHIPPING NAME:	EXTRACTS, AROMATIC, LIQUID
TRANSPORT HAZARD CLASS(ES):	
- ADR/RID/ADN CLASS:	3
- IMDG CLASS:	3
- ICAO CLASS/DIVISION:	3



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

ENVIRONMENTAL HAZARDS:	Environmentally hazardous substance/marine pollutant
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TRANSPORT IN BULK ACCORDING TO ANNEX II OF MARPOL73/78 AND THE IBC CODE:	Not applicable.
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SPECIAL PRECAUTIONS FOR USER

EMS:	F-E, S-D
TUNNEL RESTRICTION CODE:	(D/E)



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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).

16: OTHER INFORMATION

HAZARD 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.

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.