





MATERIAL SAFETY DATA SHEET

01. IDENTIFICATION OF THE SUBSTANCE/PREPARATION & THE COMPANY/UNDERTAKING

1.1 Product Identifier			
Product Name		Caraway Seed Oil	
Biological Definition		Caraway, Carvi Seed Oil is the fixed oil obtained from the seeds of Caraway, Carum carvi L., Apiaceae.	
INCI Name		Carum Carvi Seed Oil	
Synonyms & Trade Names		Caraway Essential Oil	
CAS-No	8000-42-8	EC No.	EINECS No.
1.2 Relative identified uses of the substance or mixture and uses advised against			
No additional data available.			
1.3 Details of the supplier of the safety data sheet			
AE Cosmetics Ltd, 69 Bethel Street, Norwich, Norfolk, United Kingdom NR2 1NR			
1.4 Emergency Tel. No.		+44(0)1603 610883	

02. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture			
The Full Text for all Hazard Statements is displayed in Section 16.			
Classification (EC 1272/2008)			
Physical and Chemical Hazards: Flammable liquids Category 3 Human health: Acute Tox. 4; Skin Irrit. 4; Skin Sens. 1 Environment: Aquatic Acute 1; Aquatic 1			
2.2 Label Elements			
Label in accordance with (EC) No 1272/2008			
GHS08	GHS07	GHS02	GHS09
			
Signal Word		Danger	
Contains		Limonene, Carvone	
Hazard Statements			
H226 Flammable liquid and vapour H302 Harmful if swallowed H312 May cause an allergic skin reaction. H304 May be fatal if swallowed and enters airways H315 Causes skin irritation H400 Very toxic to aquatic life H410 Very toxic to aquatic life with long lasting effects			

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.
 P272 Contaminated work clothing should not be allowed out of the workplace.
 P273 Avoid release to the environment.
 P280 Wear protective gloves/protective clothing.
 P280 Wear protective gloves/eye protection/face protection.

Supplementary Precautionary Statements

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/shower.
 P312 Call a POISON CENTER/doctor if you feel unwell.
 P321 Specific treatment (see this label).
 P330 Rinse mouth.
 P331 Do NOT induce vomiting.
 P333 + P313 If skin irritation or rash occurs: Get medical advice/attention.
 P362 + P364 Take off contaminated clothing and wash it before reuse.
 P370 + P378 In case of fire: Use appropriate media to extinguish.
 P391 Collect spillage.
 P403 + P235 Store in a well-ventilated place. Keep cool.
 PP501 Dispose of contents/container in accordance with local / regional / national /international regulations.
 P405 Store locked up.

2.3 Other Hazards

PBT or vPvB according to Annex XIII	No additional data available.
Adverse physio-chemical properties	No additional data available.
Adverse effects on human health	No additional data available.

03. COMPOSITION/INFORMATION ON INGREDIENTS

3.2 Mixtures

<p><44.0% Carvone CAS-No.: 99-49-0-1EC No.: 202-759-5 Classification (EC 1272/2008) Acute Tox. 4 - H302, Skin Sens. 1 - H317</p>
<p><0.46% Myrcene (7-methyl-3-methylenoocta-1,6-diene) CAS-No.: 123-35-3 EC No.: 204-622-5 Classification (EC 1272/2008) Flam. Liq. 3 - H226, Skin Irrit. 2 - H315, Eye Irrit. 2 - H319, Asp. Tox. 1 - H304</p>
<p><0.10% Sabinene CAS-No.: 3387-41-5 EC No.: 222-212-4 Classification (EC 1272/2008) Flam. Liq. 3 - H226, Acute Tox 2 H330</p>

04. FIRST AID MEASURES

4.1	Description of first aid measures
Inhalation	Move the exposed person to fresh air at once. Rinse nose and mouth with water. Get medical attention if any discomfort continues.
Ingestion	Ingestion may cause nausea and vomiting. Seek medical attention if irritation or symptoms persist. Do not induce vomiting.
Skin Contact	Remove affected person from source of contamination. Remove contaminated clothing. Wash the skin immediately with soap and water. Get medical attention if any discomfort continues.
Eye Contact	Remove victim immediately from source of exposure. Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes and get medical attention.
4.2	Dermatitis. Rash. Direct contact with eyes may cause temporary irritation. Skin irritation. May cause redness and pain. May cause an allergic skin reaction.
4.3	Indication of any immediate medical attention and special treatment needed
	No additional data available.

05. FIRE-FIGHTING MEASURES

5.1	Extinguishing Media
	Do not use a direct stream of water to extinguish. Use: Powder. Carbon dioxide (CO ₂).
5.2	Special hazards arising from the product
	Specific hazards: When heated and in case of fire, toxic vapours/gases may be formed.
5.3	Advice for firefighters
	<p>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.</p> <p>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. Use water spray to cool unopened containers.</p> <p>General Fire Hazards Static charges generated by emptying package in or near flammable vapour may cause flash fire</p>


06. ACCIDENTAL RELEASE MEASURES

6.1	Personal precautions, protective equipment and emergency procedures
	Wear protective clothing as described in Section 8 of this safety data sheet.
6.2	Environmental Precautions
	Do not discharge into drains, water courses or onto the ground.
6.3	Methods and material for containment and cleaning up.
	<p>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.</p> <p>The product is immiscible with water and will spread on the water surface.</p> <p>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.</p> <p>Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.</p> <p>Never return spills in original containers for re-use. This material and its container must be disposed of as hazardous waste.</p>
6.4	Reference to other sections
	Wear protective clothing as described in Section 8 of this safety data sheet

07. HANDLING AND STORAGE

7.1	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
7.2	Conditions for safe storage, including any incompatibilities
	<p>Store in tightly closed original container in a dry, cool and well-ventilated place. Keep in original container.</p> <p>Keep away from heat, sparks and open flame</p>
7.3	Specific end use(s)
	No additional data available

08. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters	
Linalool (CAS: 78-70-6) Ingredient Comments:	No exposure limits noted for ingredient.
8.2 Exposure controls	
Protective Equipment	
	
Process Conditions	Safety shower and eye bath.
Engineering Measures	Provide adequate ventilation. Respiratory equipment. Self-contained breathing apparatus.
Respiratory Equipment	Protection not required if good ventilation is maintained. Use inhalation protection in poorly ventilated areas.
Hand Protection	Use suitable protective gloves if risk of skin contact.
Eye Protection	Wear approved safety goggles.
Other Protection	Wear rubber apron.
Hygiene Measures	Remove contaminated clothing and wash the skin thoroughly with soap and water after work.
Personal Protection	Use personal protection according to Directive 89/686/EEC.
Skin Protection	Wear apron or protective clothing in case of splashes.
Environmental Exposure Controls	Avoid discharging into drainage water. Only eliminate by authorised companies.

09. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties	
Appearance	Liquid
Colour	Pale yellow to amber.
Odour	Flowery, slightly woody.
Relative Density @ 20°C	0.904 - 0.920 @ 20°C
Flash Point (°C)	133.0 °F (56.1 °C) Closed Cup.
Refractive Index @ 20°C	1.484 - 1.490 @ 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.
9.2 Other information	
No additional data available.	

10. STABILITY AND REACTIVITY

10.1 Reactivity	No additional data available.
10.2 Chemical stability	Stable under the recommended handling and storage conditions.
10.3 Possible hazardous reactions	No additional data available.
10.4 Conditions to Avoid	Avoid heat, sparks and open flames.
10.5 Incompatible materials	Materials To Avoid: Strong acids, alkali or oxidising agents.
10.6 Hazardous Decomposition Products	In case of fire, dangerous decomposition products can be generated, such as carbon monoxide and dioxide and nitrogen fumes and oxides.

11. TOXOLOGICAL INFORMATION

11.1 Information on toxicological effects	
Acute Toxicity	<p>Information on likely routes of exposure</p> <p>Ingestion: May be fatal if swallowed and enters airways. Harmful if swallowed.</p> <p>Inhalation: May be fatal if swallowed and enters airways.</p> <p>Skin contact: Harmful in contact with skin. Causes skin irritation. May cause an allergic skin reaction.</p> <p>Eye contact: Direct contact with eyes may cause temporary irritation.</p> <p>Acute toxicity: May be fatal if swallowed and enters airways. Harmful in contact with skin. May cause an allergic skin reaction.</p> <p>CARAWAY OIL (CAS 8000-42-8) Dermal: LD50 Rabbit 1780 mg/kg Oral: LD50 Rat 3500 mg/kg * Estimates for product may be based on additional component data not shown.</p>
Skin corrosion / irritation	Causes skin irritation.
Serious eye damage / irritation	Direct contact with eyes may cause temporary irritation.
Respiratory or skin sensitisation	Respiratory sensitisation : Not available. Skin sensitisation : 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	No additional data available
STOT-repeated exposure	No additional data available
Photo-toxicity	No additional data available
Aspiration hazard	May be fatal if swallowed and enters airways
Other Information	No additional data available



12. ECOLOGICAL INFORMATION

12.1 Toxicity
No additional data available.
12.2 Persistence & degradability
Degradability: No additional data available.
12.3 Bioaccumulation Potential
Bioaccumulative potential: No data available on bioaccumulation.
12.4 Mobility in soil
No additional data available.
12.5 Results of PBT and vPvB Assessment
No additional data available.
12.6 Other adverse effects
No additional data available.

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods
Dispose of in compliance with all local and national regulations.

14. TRANSPORT INFORMATION

14.1 UN number	
UN No. Road	1197
UN No. SEA	1197
UN No. AIR	1197
14.2 UN proper shipping name	
EXTRACTS, FLAVOURING, LIQUID (CARAWAY OIL)	
14.3 Transport hazard class(es)	
ADR/RID/ADN Class:	3
ICAO Class/Division:	3
IMDG Class:	3
Transport Labels	
	
14.4 Packing group	
ADR/RID/ADN Packing group	III
IMDG Packing group	III
ICAO Packing group	III
14.5 Environmental hazards	
Environmentally Hazardous Substance/Marine Pollutant	
	
14.6 Special precautions for user	
EMS F-A-S-F	
Hazard No. (ADR) 9	
Hazard No. (ADR) 90 Environmentally hazardous substance; miscellaneous dangerous substances.	

Tunnel Restriction Code (D/E)
14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC code
No additional data available.

15. REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
<p>Statutory Instruments The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (S.I 2009 No. 716). Guidance Notes Workplace Exposure Limits EH40. CHIP for everyone HSG(108). 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.</p>
15.2 Chemical safety assessment
No additional information available.

16. OTHER INFORMATION

Hazard and/or Precautionary Statements in Full	<p>H226 Flammable liquid and vapour. H302 + H312 Harmful if swallowed or in contact with skin. 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. H330 Fatal if inhaled. H400 Very toxic to aquatic life. H410 Very toxic to aquatic life with long lasting effects.</p>
Other Information	None.

DISCLAIMER: This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.