

SAFETY DATA SHEET
TRADE NAME: CORIANDER
SEED OIL

REVISION: 28.06.2016

1 Identification of the Substance/Mixture and of the Company/Undertaking

1.1 Trade Name: CORIANDER SEED OIL

1.2 Relevant Identified Uses of the Substance or Mixture and Uses Advised Against:

No further relevant information available.

Application of the Substance/the Preparation:

Multiple uses.

1.3 Details of the Supplier of the Safety Data Sheet:

Manufacturer/Supplier:

Ancient Wisdom Marketing Limited

Block B, Parkwood Business Park, 75 Parkwood Road, Sheffield, S3 8AL.

TEL: 0114 2729165

FAX: 0114 2706571

EMAIL: care@ancientwisdom.biz

1.4 Further Information Obtainable from: care@ancientwisdom.biz

1.5 Emergency Telephone Number: 0114 272 9165

2 Hazards Identification

2.1 Classification of the Substance or Mixture:

Classification According to Regulation (EC) No. 1272/2008:

GHS08 Health Hazard	Asp. Tox. 1	H304 May be fatal if swallowed and enters airways.
GHS05 Corrosion	Eye Dam. 1	H318 Causes serious eye damage.
GHS09 Environment	Aquatic Chronic 2	H411 Toxic to aquatic life with long lasting effects.
GHS07	Skin Irrit. 2	H315 Causes skin irritation.
	Skin Sens. 1	H317 May cause an allergic skin reaction.

2.2 Label Elements:

Labelling According to Regulation (EC) No. 1272/2008:

The product is classified and labelled according to the CLP regulation

Hazard Pictograms:



Signal Word

DANGER

Hazard-determining Components of Labelling

Geraniol
d-Limonene
bornan-2-one
Geranyl Acetate
Alpha pinene

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	Terpinolene (S)-p-mentha-1, 8-diene Beta pinene
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Hazard Statements:

H315	Causes skin irritation.
H318	Causes serious eye damage.
H317	May cause an allergic skin reaction.
H304	May be fatal if swallowed and enters airways.
H411	Toxic to aquatic life with long lasting effects.

Precautionary Statements:

P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P301+P310	IF SWALLOWED: Immediately call a POISON CENTRE/doctor.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P405	Store locked up.
P501	Dispose of contents/container in accordance with local/regional/national/international regulations.

2.3 Other Hazards:

Results of PBT Assessment	Not applicable.
Results of vPvB Assessment	Not applicable.

3 Composition/Information on Ingredients

3.1 Chemical Characterisation:

Mixtures:

Description	NCS (UVCB) Constituents Information
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3.2 Hazardous Components:

ID Numbers	Chemical Name, Classification & Hazards	%
CAS: 78-70-6 EINECS: 201-134-4	Linalool Skin Irrit. 2, H315; Eye Irrit. 2, H319	50-100
CAS: EINECS: 283-406-2	Eucalyptus Terpens Flam. Liq. 3, H226; Asp. Tox. 1, H304	2.5-10
CAS: 5989-27-5 EINECS: 227-813-5	d-limonene Flam. Liq. 3, H226; Asp. Tox. 1, H304; Aquatic Acute 1, H400; Aquatic Chronic 1, H410; Skin Irrit. 2, H315; Skin Sens. 1B,	2.5-10

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	H317	
CAS: 76-22-2 EINECS: 207-355-2	bornan-2-one Flam. Sol. 2, H228; STOT SE 2, H371; Acute Tox. 4, H302; Acute Tox. 4, H332; Skin Sens. 1, H317	2.5-10
CAS: 106-24-1 EINECS: 203-377-1	Geraniol Eye Dam. 1, H318; Skin Irrit. 2, H315; Skin Sens. 1, H317	2.5-10
CAS: 105-87-3 EINECS: 203-341-5	Geranyl Acetate Skin Irrit. 2, H315; Skin Sens. 1B, H317; Aquatic Chronic 3, H412	≤2.5
CAS: 80-56-8 EINECS: 201-291-9	Alpha pinene Flam. Liq. 3, H226; Asp. Tox. 1, H304; Skin Irrit. 2, H315; Skin Sens. 1, H317	≤2.5
CAS: 586-62-9 EINECS: 209-578-0	Terpinolene Asp. Tox. 1, H304; Aquatic Acute 1, H400; Aquatic Chronic 1, H410; Skin Sens. 1B, H317	≤2.5
CAS: 5989-54-8 EINECS: 227-815-6	(S)-p-mentha-1, 8-diene Flam. Liq. 3, H226; Asp. Tox. 1, H304; Aquatic Acute 1, H400; Aquatic Chronic 1, H410; Skin Irrit. 2, H315; Skin Sens. 1B, H317	≤2.5
CAS: 127-91-3 EINECS: 204-872-5	Beta pinene Flam. Liq. 3, H226; Asp. Tox. 1, H304; Aquatic Acute 1, H400; Aquatic Chronic 1, H410; Skin Irrit. 2, H315; Skin Sens. 1B, H317	≤2.5
CAS: 79-92-5 EINECS: 201-234-8	camphene Flam. Sol. 1, H228; Aquatic Acute 1, H400; Aquatic Chronic 1, H410; Eye Irrit. 2, H319	≤2.5
Additional Information	For the wording of the listed risk phrases refer to Section 16.	

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4 First Aid Measures

4.1	Description of First Aid Measures	Immediately remove any clothing soiled by the product.
	Inhalation	Supply fresh air and to be sure call for a doctor. In case of unconsciousness place patient stably in side position for transportation. Supply fresh air.
	Skin Contact	Immediately wash with water and soap and rinse thoroughly. Immediately rinse with water. If skin irritation continues, consult a doctor.
	Eye Contact	Rinse opened eye for several minutes under running water. Then consult a doctor.
	Ingestion	Inform doctor. Don not give milk or fatty oils.
4.2	Most Important Symptoms and Effects, both Acute and Delayed	No further relevant information available.
4.3	Indication of Immediate Medical Attention and Special Treatment Needed	No further relevant information available.

5 Fire-fighting Measures

5.1	Suitable Extinguishing Agents	Carbon dioxide (CO ₂), powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
	Unsuitable Extinguishing Agents	Water with full jet.
5.2	Special Hazards Arising from the Substance or Mixture	Carbon monoxide (CO).
5.3	Advice for Fire-fighters	No special measures required.

6 Accidental Release Measures

6.1	Personal Precautions, Protective Equipment and Emergency Procedures	Wear protective equipment. Keep unprotected persons away.
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	Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Use neutralising agent. 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

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		Section 13 for disposal information.
7 Handling and Storage		
7.1	Precautions for Safe Handling	Ensure good ventilation/exhaustion at the workplace. Prevent formation of aerosols.
	Information about Fire and Explosion Protection	No special measures required.
7.2	Conditions for Safe Storage, Including any Incompatibilities	Store only in unopened original receptacles. Keep receptacle tightly sealed. Store in the dark.
7.3	Specific End Use(s)	No further relevant information available.
8 Exposure Controls/Personal Protection		
8.1 Control Parameters:		
Additional Information about Design of Technical Facilities	No further data, see item 7.	
Ingredients with Limit Values that Require Monitoring at the Workplace		
76-22-2 bornan-2-one		
WEL	Short-term Value: 19 mg/m ³ , 3 ppm Long-term Value: 13 mg/m ³ , 2 ppm	
Additional Information	The lists valid during the making were used as basis.	
8.2 Exposure Controls:		
Personal Protective Equipment	No information available.	
General Protective and Hygienic Measures	Keep away from foodstuffs, beverages and feed. Immediately remove all soiled and contaminated clothing. Wash hands before breaks and at the end of work. Avoid contact with the skin. Avoid contact with the eyes and skin.	
Respiratory Protection	Not required.	
Hand Protection	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. 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	

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	glove material cannot be calculated in advance and has therefore to be checked prior to the application. The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
Eye Protection	Tightly sealed goggles.

9 Physical and Chemical Properties

9.1 Information on Basic Physical and Chemical Properties:

Appearance	Liquid
Colour	According to Product Specification
Odour	Characteristic
Melting Point/Melting Range	Undetermined.
Boiling Point/Boiling Range	Undetermined.
Flash Point (°C)	61
Flammability (Solid, gaseous)	Not applicable.
Decomposition Temperature	Not determined.
Self-igniting	Product is not self-igniting.
Danger of Explosion	Product does not present an explosion hazard.
Density at 20°C	0.862 – 0.875 g/cm ³
Evaporation Rate	Not determined.
Solubility in/Miscibility with Water	Not miscible or difficult to mix.
9.2 Other Information	No further relevant information available.

10 Stability and Reactivity

10.1 Reactivity	No further relevant information available.
10.2 Chemical Stability	
Thermal Decomposition/Conditions to Avoid	No decomposition if used according to specifications.
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	No dangerous decomposition products known.

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11 Toxicological Information

11.1 Information on Toxicological Effects:

Acute Toxicity	Based on available data, the classification criteria are not met.	
LD/LC50 Values Relevant for Classification		
586-62-9 Terpinolene		
Oral	LD50	4390 mg/kg (Rat)
Dermal	LD50	>5000 mg/kg (LAP)

11.2 Primary Irritant Effect:

Skin Corrosion/Irritation	Causes skin irritation.
Serious Eye Damage/Irritation	Causes serious eye damage.
Respiratory or Skin Sensitisation	May cause an allergic skin reaction.
Germ Cell Mutagenicity	Based on available data, the classification criteria are not met.
Carcinogenicity	Based on available data, the classification criteria are not met.
Reproductive Toxicity	Based on available data, the classification criteria are not met.
STOT-single Exposure	Based on available data, the classification criteria are not met.
STOT-repeated Exposure	Based on available data, the classification criteria are not met.
Aspiration Hazard	May be fatal if swallowed and enters airways.

12 Ecological Information

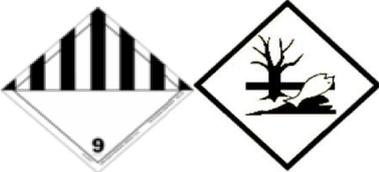
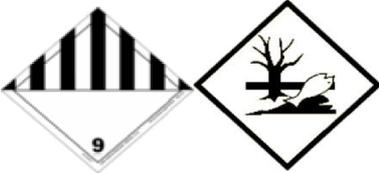
12.1	Toxicity	
	Aquatic Toxicity	No further relevant information available.
12.2	Persistence and Degradability	No further relevant information available.
12.3	Bioaccumulative Potential	No further relevant information available.
12.4	Mobility in Soil	No further relevant information available.
	Ecotoxicological Effects	Toxic for fish. Must not reach sewage water or drainage ditch undiluted or unneutralised. Also poisonous for fish and plankton in water bodies. Toxic for aquatic organisms.
12.5	Results of PBT and vPvB Assessment	Not applicable.
12.6	Other Adverse Effects	No further relevant information available.

13 Disposal Considerations

13.1	Waste Treatment Methods	Must not be disposed together with household garbage. Do not allow product to reach sewage system.
13.2	Uncleaned Packaging	Disposal must be made according to official regulations.

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14 Transport Information		
14.1	UN Number (ADR, IMDG, IATA)	UN3082
14.2	UN Proper Shipping Name (ADR)	3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (DIPENTENE, Geranyl Acetate)
	(IMDG)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (DIPENTENE, Geranyl Acetate), MARINE POLLUTANT
	(IATA)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (DIPENTENE, Geranyl Acetate)
14.3	Transport Hazard Class(es) (ADR)	
	Class Label	9 (M6) Miscellaneous dangerous substances and articles. 9
	(IMDG, IATA)	
	Class Label	9 Miscellaneous dangerous substances and articles. 9
14.4	Packing Group (ADR, IMDG, IATA)	III
14.5	Environmental Hazards	Product contains environmentally hazardous substances: d-limonene.
	Marine Pollutant	Yes
	Special Marking (ADR)	Symbol (fish and tree)
	Special Marking (IATA)	Symbol (fish and tree)
14.6	Special Precautions for User	Warning: Miscellaneous dangerous substances and articles.
	Danger Code (Kemler)	90
	EMS Number	F-A, S-F
	Stowage Category	A
14.7	Transport in Bulk According to Annex II of MARPOL73/78 and the IBC Code	Not applicable.
14.	Transport/Additional	Not dangerous according to the above specifications.

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8	Information (ADR) Limited Quantities (LQ) Excepted Quantities (EQ) Transport Category Tunnel Restriction Code Remarks	5L Code: E1 Maximum net quantity per inner packaging: 30ml Maximum net quantity per outer packaging: 1000ml 3 E Not dangerous.
	(ADN) Remarks	Not dangerous.
	(IMDG) Limited Quantities (LQ) Excepted Quantities (EQ) Remarks	5L Code: E1 Maximum net quantity per inner packaging: 30ml Maximum net quantity per outer packaging: 1000ml Not dangerous.
	(IATA) Remarks	Not dangerous.
14.9	UN "Model Regulation"	UN3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (DIPENTENE, GERANYL ACETATE), 9, III

15 Regulatory Information

15.1	Safety, Health and Environmental Regulations/Legislation Specific for the Substance or Mixture	Directive 2012/18/EU	Named dangerous substances – ANNEX I – None of the ingredients is listed.
		Seveso Category	E2, Hazardous to the Aquatic Environment.
		Qualifying Quantity (tonnes) for the Application of Lower-tier Requirements	200 t
		Qualifying Quantity (tonnes) for the Application of Upper-tier Requirements	500 t
		Regulation (EC) No. 1907/2006 ANNEX XVII	Conditions of restriction: 3
15.2	Chemical Safety Assessment	A Chemical Safety Assessment has not been carried out.	

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16 Other Information

16.1 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.
H332	Harmful if inhaled.
H371	May cause damage to organs.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

16.2 Abbreviations and Acronyms:

RID	Regulations Concerning the International Transport of Dangerous Goods by Rail.
IATA-DGR	Dangerous Goods Regulations by the "International Air Transport Association" (IATA)
ICAO	International Civil Aviation Organisation.
ICAO-TI	Technical Instructions by the "International Civil Aviation Organisation" (ICAO).
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road.
IMDG	International Maritime Code for Dangerous Goods.
IATA	International Air Transport Association.
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.
Flam. Liq. 3	Flammable liquids – Category 3
Flam. Sol. 1	Flammable solids – Category 1
Flam. Sol. 2	Flammable solids – Category 2
Acute Tox. 4	Acute toxicity – Category 4
Skin Irrit. 2	Skin corrosion/irritation – Category 2

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Eye Dam. 1	Serious eye damage/eye irritation – Category 1
Eye Irrit. 2	Serious eye damage/eye irritation – Category 2
Skin Sens. 1	Skin sensitisation – Category 1
Skin Sens. 1B	Skin sensitisation – Category 1B
STOT SE 2	Specific target organ toxicity (single exposure) – Category 2
Asp. Tox. 1	Aspiration hazard – Category 1
Aquatic Acute 1	Hazardous to the aquatic environment – acute aquatic hazard – Category 1
Aquatic Chronic 1	Hazardous to the aquatic environment – long-term aquatic hazard – Category 1
Aquatic Chronic 2	Hazardous to the aquatic environment – long-term aquatic hazard – Category 2
Aquatic Chronic 3	Hazardous to the aquatic environment – long-term aquatic hazard – Category 3

WARNING/DISCLAIMER:

The information in this Material Safety Data Sheet is based on the properties of the material known at the time the data sheet was issued. The safety data sheet is intended to provide information for health and safety assessment of the material and the circumstances under which it is packaged, stored or applied in the workplace. This document is not intended for quality assurance purposes.