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## MATERIAL SAFETY DATA SHEET

### According to EU Regulation 1907/2006

#### SECTION 1: IDENTIFICATION OF THE SUBSTANCE/PREPARATION & THE COMPANY/UNDERTAKING)

##### 1.1 PRODUCT IDENTIFIER

Product Name	Cinnamon Essential Leaf Organic Oil
Biological Definition	Cinnamomum Zeylanicum Leaf Oil is the volatile oil obtained from the leaves of the Ceylon Cinnamon, Cinnamomum Zeylanicum, Lauraceae
INCI Name	Cinnamomum Zeylanicum Leaf Oil
Synonyms & Trade Names	-
Internal Product Code	R00465
CAS Number	84649-98-9
EC Number	283-479-0
EINECS Number	283-479-0
REACH Status	Exempt <1T PA

##### 1.2 DETAILS OF THE SUPPLIER OF THE MATERIAL SAFETY DATA SHEET

Company	Kerfoot Avril Group The Olive House Standard Way Industrial Estate, Darlington Road, Northallerton, North Yorkshire, England DL6 2XA
Emergency Telephone Number	01609 766790

## SECTION 2: HAZARD IDENTIFICATION



### 2.1 CLASSIFICATION OF THE SUBSTANCES OR MIXTURE

No additional data available.

<b>Classification (EU 1272/2008)</b>	H317 Skin Sensitivity (Cat. 1) H319 Eye Irritation (Cat. 2) H341 Muta (Cat. 2) H350 Carc. 1B H412 Aquatic Chronic (Cat. 3)
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### 2.2 LABEL ELEMENTS

Label in accordance with Regulation (EC) No 1272/2008

<b>GHS Label:</b>	  GHS07      GHS08
<b>Signal word:</b>	WARNING
<b>Contains</b>	No additional data available.
<b>Hazard Statements:</b>	H317 May cause an allergic skin reaction H319 Causes serious eye irritation H341 Suspected of causing genetic defects H350 May cause cancer H412 Harmful to aquatic life with long lasting effects
<b>Precautionary Statements:</b>	P261: Avoid breathing vapour/spray P264: Wash hands thoroughly after handling P270: Do not eat drink/smoke when using this product P273: Avoid release to the environment P280: Wear protective gloves/clothing/eye-protection/face protection P302 + 352: IF ON SKIN; wash with plenty of soap and water P305+P351+P338: IF IN EYES; Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so, Continue rinsing P501: Dispose of contents/containers in accordance with local/national regulations.
<b>Supplementary Precautionary Statements:</b>	No additional data available.

### 2.3 OTHER HAZARDS

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

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

### 3.1 MIXTURE

<b>Conc (%)</b>	<b>Chemical Name</b>	<b>CAS NO:</b>	<b>EINECS NO:</b>	<b>Classification &amp; Hazards</b>
73 – 85%	Eugenol	97-53-0	202-589-1	H317 : Skin Sens. 1 ; H319 Eye Irrit. 2
0.2 – 5%	Eugenol acetate	93-28-7	202-235-6	H302 : Acute Tox.
1 - 4%	Benzyl Benzoate	120-51-4	204-402-9	H302 :Acute Tox. 4, H411 Aquatic Chronic 2
0.5 – 1.5%	Safrole	94-59-7	202-345-4	Acute Tox. 4 ; H341 Muta. 2 ; H350 Carc. 1B
0 – 0.5%	Cinnamic Aldehyde	104-55-2	203-213-9	H312 Acute Tox. 4 ; H315 Skin Irrit. 2 ; H317 Skin Sens. 1

## SECTION 4: FIRST AID MEASURES

### 4.1 DESCRIPTION OF FIRST AID MEASURES

Inhalation	Remove to fresh air.
Ingestion	Do not induce vomiting. Give a glass of water. See a doctor immediately.
Skin Contact	Wash well with water.
Eye Contact	Flush eyes with water for 15 minutes. If irritation persists see a doctor.

### 4.2 MOST IMPORTANT SYMPTOMS. BOTH ACCUTE AND DELAYED.

Cooling sensation

### 4.3 INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT IF NEEDED

No specific first aid measures noted

## SECTION 5: FIRE FIGHTING MEASURES

### 5.1 EXTINGUISHING MEDIA

Use foam, dry powder, carbon dioxide or vaporising liquids

### 5.2 SPECIAL HAZARDS ARISING FROM THE PRODUCT

May produce fumes of carbon monoxide and carbon dioxide. Moderate explosion hazard when exposed to flame

### 5.3 ADVICE FOR FIRE FIGHTERS

Containers close to fire should be removed or cooled with water. Self-contained breathing apparatus and full protective clothing must be worn in case of fire

## SECTION 6: ACCIDENTAL RELEASE MEASURES

### 6.1 PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES

Wear appropriate protective clothing. Shut off all sources of ignition

### 6.2 ENVIRONMENTAL PRECAUTIONS

Do not discharge into drains, water courses or onto ground.

### 6.3 METHODS AND MATERIAL FOR CONTAMINATED AND CLEANING UP

For small spills, wash area with detergent and water.

For large spills, contain with earth, sand or similar inert absorbent material and both liquids and solids transferred to salvage containers and arrange disposal by disposal company. Wash spilled area thoroughly with water and detergent.

### 6.4 REFERENCES TO OTHER SECTIONS

See sections 7 & 8.

## SECTION 7: HANDLING AND STORAGE

### 7.1 PRECAUTIONS FOR SAFE HANDLING

Avoid spilling, eye and skin contact. Use only in a well-ventilated area. Wash area well with hot water and detergent.

### 7.2 CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES

Must be stored and transported in accordance with local regulations.  
Store in tightly closed container in a dry, cool and well ventilated place. Protect from freezing and direct sunlight.

### 7.3 SPECIFIC END USE(S)

No additional data available.

## SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

### 8.1 CONTROL PARAMETERS

No additional data available.

### 8.2 EXPOSURE CONTROLS

#### Protective equipment



#### Process Conditions

No additional data available.

#### Engineering Measures

Use only in well-ventilated area

#### Respiratory Equipment

None required when used in well-ventilated area. Use approved half face respirator if using undiluted in confined spaces.

#### Hand Protection

Use chemical resistant gloves.

#### Eye Protection

Use safety goggles.

#### Other Protection

No additional data available.

#### Hygiene Measures

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

#### Personal Protection

No additional data available.

#### Skin Protection

No additional data available.

#### Environmental Exposure Controls

No additional data available.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 INFORMATION ON BASIS PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Mobile Liquid
Colour	Yellow to brownish-yellow
Odour	Characteristic
Specific Gravity @ 25°C	1.030 – 1.050
Refractive Index @ 25°C	1.529 – 1.540
Flash Point (°C)	87 - 78°C - Pensky Martens Closed Cup method
Melting Point (°C)	No additional data available.
Boiling Point (°C)	No additional data available.
Vapour Pressure	12200 mPa at 25 °C
Solubility in Water @20°C	Not soluble in water
Auto-ignition temperature (°C)	No additional data available.

### 9.2 OTHER INFORMATION

No additional data available.

## SECTION 10: STABILITY AND REACTIVITY

### 10.1 REACTIVITY

No additional data available.

### 10.2 CHEMICAL STABILITY

Product is stable under normal temperature conditions

### 10.3 POSSIBLE HAZARD REACTIONS

Hazardous polymerisation does not occur

### 10.4 CONDITIONS TO AVOID

Keep away from heat or flame. Use only in a well-ventilated area.

### 10.5 INCOMPATIBLE MATERIALS

Oxidising Agents, strong acids, strong alkalis

### 10.6 HAZARDOUS DECOMPOSITION PRODUCTS

May produce carbon monoxide and carbon dioxide upon decomposition

## SECTION 11: TOXOLOGICAL INFORMATION

### 11.1 INFORMATION ON TOXICOLOGICAL EFFECTS

Acute toxicity	No additional data available.
Skin corrosion / irritation	Potential irritant.
Serious eye damage/irritation	Causes serious eye irritation
Respiratory or skin sensitisation	Breathing difficulties, particularly young children. Possible skin sensitiser
Germ cell mutagenicity	No additional data available.
Carcinogenicity	No additional data available.
Reproductive toxicity	No additional data available.
STOT-single exposure	No additional data available.
STOT-repeated exposure	No additional data available.
Aspiration hazard	No additional data available.
Photo-toxicity	No additional data available.
Other information:	No additional data available.

## SECTION 12: ECOLOGICAL INFORMATION

### 12.1 TOXICITY

No additional data available.

### 12.2 PERSISTENCE AND DEGRADABILITY

Readily biodegradable.

### 12.3 BIOACCUMULATION POTENTIAL

Described as low potential

### 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

Low toxicity for Algae, Honeybees, Earthworms, Aquatic invertebrates

## SECTION 13: DISPOSAL CONSIDERATIONS

### 13.1 WASTE TREATMENT METHODS

Regulations for Disposal generally vary according to location. Contact local waste disposal authority for advice, or pass to a chemical disposal company.  
Ensure compliance with local, state and federal regulations.  
Waste is suitable for incineration

## SECTION 14: TRANSPORT INFORMATION

### 14.1 UN NUMBER

UN No. Road	Not Regulated
UN No. Sea	Not Regulated
UN No. Air	Not Regulated

### 14.2 UN PROPER SHIPPING NAME

Not Regulated

### 14.3 TRANSPORT HAZARD CLASS(ES)

No additional data available.

### 14.4 PACKAGING GROUP

No additional data available.

### 14.5 ENVIRONMENTAL HAZARDS

No additional data available.

### 14.6 SPECIAL PRECAUTIONS FOR USER

No additional data available.

### 14.7 TRANSPORT IN BULK ACCORDING TO ANNEX II OF MARPOL73/78 AND THE IBC CODE

No additional data available

## SECTION 15: REGULATORY INFORMATION

### 15.1 SAFETY, HEALTH AND ENVIRONMENT REGULATIONS / LEGISLATION SPECIFIC FOR THE SUBSTANCE OR MIXTURE

#### 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.

### 15.2 CHEMICAL SAFETY ASSESSMENT

No additional information available.

#### SECTION 16: OTHER INFORMATION

<b>Hazard and/or Precautionary Statements in Full</b>	H317 May cause an allergic skin reaction H319 Causes serious eye irritation H341 Suspected of causing genetic defects H350 May cause cancer H412 Harmful to aquatic life with long lasting effects P261: Avoid breathing vapour/spray P264: Wash hands thoroughly after handling P270: Do not eat drink/smoke when using this product P273: Avoid release to the environment P280: Wear protective gloves/clothing/eye-protection/face protection P302 + 352: IF ON SKIN; wash with plenty of soap and water P305+P351+P338: IF IN EYES; Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so, Continue rinsing P501: Dispose of contents/containers in accordance with local/national regulations.
<b>Other Information</b>	Complies with REACH guidance for SDS as circulated by ECHA 2011.
<b>Version</b>	1
<b>Revision Date</b>	7 <sup>th</sup> December 2018
<b>Reason for Revision</b>	New MSDS

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