



KERFOOT

Avril GROUP

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	Mentha Arvensis Essential Oil
Biological Definition	Mentha Arvensis Herb Oil is an essential oil obtained from the herbs of the Horse Mint, Mentha Arvensis L., Labiatae
INCI Name	Mentha Arvensis Herb Oil
Synonyms & Trade Names	Cornmint oil
Internal Product Code	R00319
CAS Number	90063-97-1
EC Number	290-058-5
EINECS Number	290-058-5
REACH Status	Registered 01-2119973492-30-XXXX

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

The Full Text for all Hazard Statements are Displayed in Section 16.

Classification (EU 1272/2008)	Physical and Chemical Hazards: Not classified. Human health: Asp. Tox. 1 H304; Skin Irrit. 2 - H315; Skin Sens. 1 - H317; Eye Irrit. 2 H319 Environment : Aquatic Chronic 2 - H411
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2.2 LABEL ELEMENTS

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

GHS Label:	 GHS07 GHS09 GHS08
Signal word:	Danger.
Contains	Limonene, Alpha Pinene, Beta Pinene.
Hazard Statements:	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. H411: Toxic to aquatic life with long lasting effects.
Precautionary Statements:	P301+P310: IF SWALLOWED: Immediately call a POISON CENTER/doctor. P331: Do NOT induce vomiting. P501: Dispose of contents in accordance with local, state or national legislation. P261: Avoid breathing dust/fume/gas/mist/vapours/spray. P333+P313: If skin irritation or rash occurs: Get medical advice/attention. P362+P364: Take off contaminated clothing. And wash it before reuse. P302+P352: IF ON SKIN: Wash with plenty of water. P280: Wear protective gloves/protective clothing/eye protection/face protection. P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337+P313: If eye irritation persists: Get medical advice/attention. P273: Avoid release to the environment. P391: Collect spillage.
Supplementary Precautionary Statements:	P264: Wash hands and exposed skin thoroughly after handling. P332+P313: If skin irritation occurs: Get medical advice/attention
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.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 MIXTURE

25.0 – 35.0% L-Menthol **CAS No.: 2216-51-5** **EC No: 218-690-9**
Classification (EC 1272/2008) Skin Irrit. 2 - H315, Eye Irrit. 2 – H319

20.0 – 30.0% Trans-Menthone **CAS No: 89-80-5** **EC No: 201-941-1**
Classification (EC 1272/2008) Flam. Liq. 3 – H226, Aquatic Chronic 3 – H412

5.0 – 10.0% DL-Isomenthone **CAS No: 491-07-6** **EC No: 207-727-4**
Classification (EC 1272/2008) Skin Irrit. 2 - H315, Skin Sens. 1 - H317

2.0 – 5.0% Neo Menthol **CAS No: 2216-52-6** **EC No: 218-691-4**
Classification (EC 1272/2008) Skin Irrit. 2 - H315



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< 14.0% Limonene	CAS No: 138-86-3 EC No: 205-301-0
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	
< 2.0% Alpha Pinene	CAS No: 80-56-8 EC No: 201-291-9
Classification (EC 1272/2008) Flam. Liq. 3 - H226, Skin Irrit. 2 - H315, Skin Sens. 1 - H317, Asp. Tox. 1 - H304	
< 2.5% Beta Pinene	CAS No: 127-91-3 EC No: 204-872-5
Classification (EC 1272/2008) Flam. Liq. 3 - H226, Skin Irrit. 2 - H315, Skin Sens. 1 - H317, Asp. Tox. 1 - H304	
1.0 – 5.0% Methyl Acetate	CAS No: 89-48-5 EC No: 201-911-8
Classification (EC 1272/2008) Aquatic Chronic 2 - H411	
< 2.0% Isopulegol	CAS No: 89-79-2 EC No: 201-940-6
Classification (EC 1272/2008) Acute Tox. 4 - H302, Skin Irrit. 2 - H315, Eye Irrit. 2 - H319	
< 1.5% Octan-3-ol	CAS No: 589-98-0 EC No: 209-667-4
Classification (EC 1272/2008) Skin Irrit. 2 - H315, Eye Irrit. 2 - H319	
< 1.0% 1,8- Cineole	CAS No: 470-82-6 EC No: 207-431-5
Classification (EC 1272/2008) Flam. Liq. 3 - H226, Skin Sens. 1 - H317	

SECTION 4: FIRST AID MEASURES

4.1 DESCRIPTION OF FIRST AID MEASURES

Inhalation	Move the exposed person to fresh air at once. Get medical advice/attention.
Ingestion	Immediately rinse mouth and provide fresh air. Call a POISON CENTER/doctor.
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	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 MOST IMPORTANT SYMPTOMS. BOTH ACCUTE AND DELAYED.

No additional data available.

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

No additional data available.

SECTION 5: FIRE FIGHTING MEASURES

5.1 EXTINGUISHING MEDIA

Extinguishing media Use as appropriate: Carbon dioxide (CO₂), dry chemical or foam.

5.2 SPECIAL HAZARDS ARISING FROM THE PRODUCT

When heated to decomposition, it emits acrid smoke as well as carbon monoxide and carbon dioxide.

5.3 ADVICE FOR FIRE FIGHTERS

Protective equipment for fire-fighters:
Wear: Self-contained breathing apparatus. Wear chemical protective clothing.

SECTION 6: 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 CONTAMINATED AND CLEANING UP

Absorb with inert, absorbent material. Transfer to suitable, labelled containers for disposal. Clean spillage area thoroughly with plenty of water.

6.4 REFERENCES TO OTHER SECTIONS

See sections 8 and 13.

SECTION 7: HANDLING AND STORAGE

7.1 PRECAUTIONS FOR SAFE HANDLING

Avoid spilling, skin and eye contact. Adopt best manual handling considerations when handling, carrying and dispensing.

7.2 CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES

Store in tightly closed original container in a dry, cool and well-ventilated place. Keep in original container. Keep away from heat, sparks and open flame.
Storage Class Chemical storage.

7.3 SPECIFIC END USE(S)


No additional data available.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 CONTROL PERAMETERS

Ingredient Comments	No exposure limits noted for ingredient(s).
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8.2 EXPOSURE CONTROLS

Protective equipment	
Process Conditions	Provide eyewash station.
Engineering Measures	Provide adequate general and local exhaust ventilation.
Respiratory Equipment	If ventilation is insufficient, suitable respiratory protection must be provided.
Hand Protection	Use suitable protective gloves if risk of skin contact.
Eye Protection	Wear approved safety goggles.



Other Protection	Wear appropriate clothing to prevent any possibility of skin contact.
Hygiene Measures	Remove contaminated clothing and wash the skin thoroughly with soap and water after work. Good personal hygiene practices are always advisable, especially when working with chemicals.
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.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 INFORMATION ON BASIS PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Clear mobile liquid
Colour	Colourless to pale yellow
Odour	Characteristic
Specific Gravity @ 20°C	0.865 – 0.910
Refractive Index @ 20°C	1.450 – 1.471
Flash Point (°C)	62°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	Insoluble 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

Stable under normal temperature conditions and recommended use

10.3 POSSIBLE HAZARD REACTIONS

No additional data available.

10.4 CONDITIONS TO AVOID

Avoid excessive heat for prolonged periods of time.

10.5 INCOMPATIBLE MATERIALS

Avoid contact with strong acids, alkalis and oxidising agents.

10.6 HAZARDOUS DECOMPOSITION PRODUCTS

Fire creates: Carbon monoxide (CO). Carbon dioxide (CO₂).

SECTION 11: TOXOLOGICAL INFORMATION

11.1 INFORMATION ON TOXICOLOGICAL EFFECTS

Acute toxicity	No additional data available.
Skin corrosion / irritation	Causes skin irritation.
Serious eye damage/irritation	Causes serious eye irritation.
Respiratory or skin sensitisation	May cause an allergic skin reaction.
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

Toxic to aquatic life with long lasting effects.

12.2 PERSISTENCE AND DEGRADABILITY

No additional data available.

12.3 BIOACCUMULATION POTENTIAL

No additional data available.

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.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 WASTE TREATMENT METHODS

Do not release into the environment. Collect waste into suitable containers and contact hazardous chemical disposal company.

SECTION 14: TRANSPORT INFORMATION

14.1 UN NUMBER

UN No. Road	UN 3082
UN No. Sea	UN 3082
UN No. Air	UN 3082

14.2 UN PROPER SHIPPING NAME

Environmentally Hazardous Liquid (N.O.S)

14.3 TRANSPORT HAZARD CLASS(ES)



ADR/RID/ADN Class 9
ADR/RID/ADN Class Class 9
IMDG Class 9
ICAO Class/Division 9

14.4 PACKAGING GROUP

ADR/RID/ADN Packing group III
IMDG Packing group III
ICAO Packing group III

14.5 ENVIRONMENTAL HAZARDS



Environmentally Hazardous Liquid, Marine Pollutant

14.6 SPECIAL PRECAUTIONS FOR USER

EMS F-A-S-F

AIR TRANSPORT NOTES Packing Instruction: 914

Hazard No. (ADR) 90 Environmentally hazardous substance; miscellaneous dangerous substances.

Tunnel Restriction Code (E)

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

Hazard and/or Precautionary Statements in Full	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. H411: Toxic to aquatic life with long lasting effects. P301+P310: IF SWALLOWED: Immediately call a POISON CENTER/doctor. P331: Do NOT induce vomiting. P501: Dispose of contents in accordance with local, state or national legislation. P261: Avoid breathing dust/fume/gas/mist/vapours/spray. P333+P313: If skin irritation or rash occurs: Get medical advice/attention. P362+P364: Take off contaminated clothing. And wash it before reuse. P302+P352: IF ON SKIN: Wash with plenty of water. P280: Wear protective gloves/protective clothing/eye protection/face protection. P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337+P313: If eye irritation persists: Get medical advice/attention. P273: Avoid release to the environment. P391: Collect spillage.
Other Information	Complies with REACH guidance for SDS as circulated by ECHA 2011.
Version	3
Revision Date	30 th July 2018
Reason for Revision	REACH



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