



# 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

<b>Product Name</b>	Meadowfoam Refined Oil
<b>Biological Definition</b>	Limnanthes Alba (Meadowfoam) Seed Oil is the oil extracted from the seeds of the Meadowfoam plant, Limnanthes alba, Limnanthaceae.
<b>INCI Name</b>	Limnanthes Alba Seed Oil
<b>Synonyms &amp; Trade Names</b>	-
<b>Internal Product Code</b>	R00255
<b>CAS Number</b>	169107-13-5
<b>EC Number</b>	604-884-4
<b>EINECS Number</b>	604-884-4
<b>REACH Status</b>	Exempt

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

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



## SECTION 2: HAZARD IDENTIFICATION

### 2.1 CLASSIFICATION OF THE SUBSTANCES OR MIXTURE

The full text for all hazard statements are displayed in Sec.16

<b>Classification (EU 1272/2008)</b>	Not classed as a hazardous substance.
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### 2.2 LABEL ELEMENTS

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

<b>GHS Label:</b>	Not classed as a hazardous substance.
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<b>Signal word:</b>	None
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<b>Contains</b>	Contains no hazardous substances.
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<b>Hazard Statements:</b>	None
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<b>Precautionary Statements:</b>	None
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<b>Supplementary Precautionary Statements:</b>	None.
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### 2.3 OTHER HAZARDS

<b>PBT or vPvB according to Annex XIII</b>	No additional data available.
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<b>Adverse physio-chemical properties</b>	No additional data available.
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<b>Adverse effects on human health</b>	No additional data available.
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## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

### 3.1 MIXTURE

N/A

## SECTION 4: FIRST AID MEASURES

### 4.1 DESCRIPTION OF FIRST AID MEASURES

<b>Inhalation</b>	Move victim to fresh air. Put victim at rest and keep warm. Seek medical attention if problems persist.
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<b>Ingestion</b>	Rinse mouth immediately and drink large quantities of water. Seek medical attention if problems persist.
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<b>Skin Contact</b>	After contact with skin, wash immediately with plenty of water and soap. In case of skin irritation, seek medical treatment.
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<b>Eye Contact</b>	No special measures are necessary. In case of eye irritation consult an ophthalmologist.
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### 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

### Suitable extinguishing media:

Carbon dioxide (CO<sub>2</sub>). Dry extinguishing powder. Foam.

### Unsuitable extinguishing media:

Water fog. High power water jet. Water.

## 5.2 SPECIAL HAZARDS ARISING FROM THE PRODUCT

Pyrolysis products, toxic. Carbon dioxide. Carbon monoxide.

## 5.3 ADVICE FOR FIRE FIGHTERS

Move undamaged containers from immediate hazard area if it can be done safely. Wear self-contained breathing apparatus.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

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

Wear personal protection equipment. Guide people to safety. Provide adequate ventilation. Remove all sources of ignition. High slip hazard because of leaking or spilled product.

### 6.2 ENVIRONMENTAL PRECAUTIONS

Do not empty into drains or the aquatic environment. Do not allow to enter into soil/subsoil.

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

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents). Treat the assimilated material according to the section on waste disposal. Avoid generation of dust. Clear contaminated area thoroughly.

### 6.4 REFERENCES TO OTHER SECTIONS

See sections 8 and 13.

## SECTION 7: HANDLING AND STORAGE

### 7.1 PRECAUTIONS FOR SAFE HANDLING

Avoid contact with eyes. Provide for sufficient ventilation and punctiform suction at critical points.

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

Keep/Store only in original container. Keep container tightly closed.

**Hints on joint storage:** Do not store together with: Oxidizing agents. Keep away from food, drink and animal feeding stuffs.

### 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	No additional data available.
Respiratory Equipment	Respiratory protection not required.
Hand Protection	Protective gloves are to be worn:
Eye Protection	Tightly sealed safety glasses.
Other Protection	Do not eat, drink, smoke or sneeze at the workplace. Wash hands before breaks and at the end of work. Apply skin care products after work. Wash contaminated clothing prior to re-use.
Hygiene Measures	Good personal hygiene practices are always advisable, especially when working with chemicals / oils.
Personal Protection	No additional data available.
Skin Protection	For the protection against direct skin contact, body protective clothing is essential (in addition to the usual working clothes). Only wear fitting, comfortable and clean protective clothing. Barrier creams are not substitutes for body protection.
Environmental Exposure Controls	No additional data available.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 INFORMATION ON BASIS PHYSICAL AND CHEMICAL PROPERTIES	
Appearance	Clear liquid
Colour	Golden yellow
Odour	Free from rancid and foreign odours
Specific Gravity @ 20°C	No additional data available.
Refractive Index @ 20°C	No additional data available.
Flash Point (°C)	334°C
Melting Point (°C)	5 – 7°C
Boiling Point (°C)	No additional data available.
Vapour Pressure	No additional data available.
Solubility in Water @20°C	No additional data available.
Auto-ignition temperature (°C)	No additional data available.
9.2 OTHER INFORMATION	
No additional data available.	



## SECTION 10: STABILITY AND REACTIVITY

### 10.1 REACTIVITY

None

### 10.2 CHEMICAL STABILITY

Stable under normal storage and handling conditions.

### 10.3 POSSIBLE HAZARD REACTIONS

None under normal use conditions.

### 10.4 CONDITIONS TO AVOID

Heat. UV-radiation/sunlight.

### 10.5 INCOMPATIBLE MATERIALS

Oxidizing agents.

### 10.6 HAZARDOUS DECOMPOSITION PRODUCTS

Pyrolysis products, toxic. Carbon monoxide. Carbon dioxide.

## SECTION 11: TOXOLOGICAL INFORMATION

### 11.1 INFORMATION ON TOXICOLOGICAL EFFECTS

<b>Acute toxicity</b>	No additional data available.
<b>Skin corrosion / irritation</b>	Not an irritant.
<b>Serious eye damage/irritation</b>	Not an irritant.
<b>Respiratory or skin sensitisation</b>	Not an irritant. No danger of sensitization.
<b>Germ cell mutagenicity</b>	No indications of human germ cell mutagenicity exist.
<b>Carcinogenicity</b>	No indications of human carcinogenicity exist.
<b>Reproductive toxicity</b>	No indications of human reproductive toxicity exist.
<b>STOT-single exposure</b>	No additional data available.
<b>STOT-repeated exposure</b>	No additional data available.
<b>Aspiration hazard</b>	No additional data available
<b>Photo-toxicity</b>	No additional data available.
<b>Other information:</b>	No additional data available.



## SECTION 12: ECOLOGICAL INFORMATION

### 12.1 TOXICITY

No additional data available.

### 12.2 PERSISTENCE AND DEGRADABILITY

Easily biodegradable (concerning to the criteria of the OECD)

### 12.3 BIOACCUMULATION POTENTIAL

No indication of bio-accumulation potential.

### 12.4 MOBILITY IN SOIL

None

### 12.5 RESULTS OF PBT AND VPVB ASSESSMENT

This substance does not meet the criteria for classification as PBT or vPvB.

### 12.6 OTHER ADVERSE EFFECTS

No additional data available.

## SECTION 13: DISPOSAL CONSIDERATIONS

### 13.1 WASTE TREATMENT METHODS

Cleaned containers may be recycled. Handle contaminated packaging in the same way as the substance itself. Waste disposal according to official state regulations.

## SECTION 14: TRANSPORT INFORMATION

### 14.1 UN NUMBER

UN No. Road	Not bound under transport regulations.
UN No. Sea	Not bound under transport regulations.
UN No. Air	Not bound under transport regulations.

### 14.2 UN PROPER SHIPPING NAME

Not bound under transport regulations.

### 14.3 TRANSPORT HAZARD CLASS(ES)

Not bound under transport regulations.

### 14.4 PACKAGING GROUP

Not bound under transport regulations.

### 14.5 ENVIRONMENTAL HAZARDS

Not bound under transport regulations.

### 14.6 SPECIAL PRECAUTIONS FOR USER

Not bound under transport regulations.

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

Not bound under transport regulations.

## 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>	None
<b>Other Information</b>	Complies with REACH guidance for SDS as circulated by ECHA 2011.
<b>Version</b>	1
<b>Revision Date</b>	9 <sup>th</sup> January 2019
<b>Reason for Revision</b>	New MSDS

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