

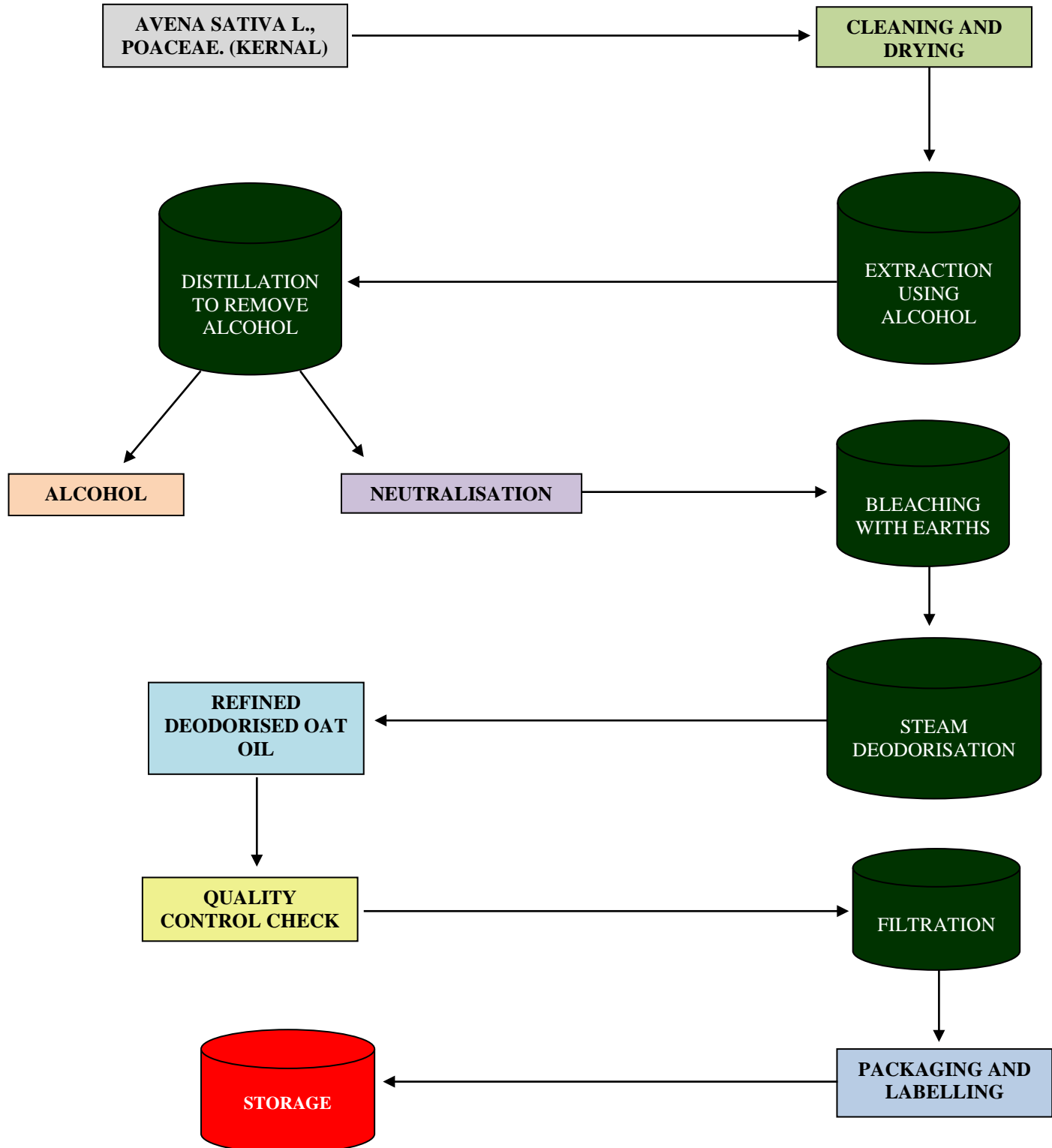


Certificate of Analysis

PRODUCT DETAILS			
Product Name	OAT OIL REFINED DEODORISED		
Product Code	OVOAT		
INCI Name	Avena Sativa Kernel Oil		
Batch Number	4334106		
Best Before End	August 2020		
Manufacturing Process	Avena Sativa Kernel Oil is the fixed oil expressed from the kernels of the Oat, Avena sativa L Poaceae.		
Identification	CAS No: 84012-26-0 EINECS No: 281-672-4		
PHYSICAL AND CHEMICAL CHARACTERISTIC			
	SPECIFICATION RANGES	RESULTS	
Appearance	Liquid	Conforms	
Colour	Pale yellowish	Conforms	
Odour	Neutral	Conforms	
Relative Density @20°C	0.910 - 0.920	0.916	
Refractive Index @ 20°C	1.465 - 1.470	1.466	
Solubility in water @ 20°C	Insoluble in water. Soluble in oil and ethanol	Conforms	
Boiling Point	>300°	Conforms	
Iodine Value (mg/g)	120 - 140	132.1	
Peroxide Value (Meq/Kg)	<2.0 (at time of production analysis)	0.5	
Saponification Value (mgKOH/g)	181 - 199	192.5	
Acid Value (mgKOH/g)	<0.5	0.10	
FATTY ACID PROFILE (%)			
SPECIFICATION RANGES	RESULTS	SPECIFICATION RANGES	RESULTS
C 16:0 Palmitic Acid 11-20	12.40	C 16:1 Palmitoleic Acid <1	0.10
C 18:0 Stearic Acid 0-3.6	2.80	C 18:1 Oleic Acid 12-38	21.90
C 18:2 Linoleic Acid 40-60	53.40	C 18:3 Linolenic Acid 4-10	7.60
C 20:0 Arachidic Acid <1	0.20	C 20:1 Eicosenoic Acid <2	0.60
STORAGE AND SHELF LIFE			
Storage	Store in tightly closed container with minimum headspace in a cool, dark and dry place.		

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 users responsibility to satisfy himself as to the suitability of such information for his own particular use. Where MADAR Corporation make a declaration that allergenic material are not present in any product, this statement is made assuming reasonable levels of detection. It is impossible to guarantee the "absolute absence" of any material. It is the ultimate responsibility of the customer to ensure the safety of the intended final product containing this material, by carrying out additional tests if necessary.

PROCESSING – OAT OIL REFINED DEODORISED





Safety Data Sheet

Oat Oil Refined Deodorized

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

1.1 Product Identifier					
Product Name		Oat Oil Refined Deodorised			
Biological Definition		Avena Sativa Kernel Oil is the fixed oil expressed from the kernels of the Oat, <i>Avena sativa L., Poaceae</i> .			
INCI Name		Avena Sativa Kernel Oil			
Synonyms & Trade Names		-			
CAS-No	84012-26-0	EC No.	281-672-4	EINECS No.	281-672-4
1.2 Relative identified uses of the substance or mixture and uses advised against					
Component of; Cosmetic products and Pharmaceutical products.					
1.3 Details of the supplier of the safety data sheet					
MADAR Corporation Limited, 19-20 Sandleheath Industrial Estate, Fordingbridge, Hampshire, SP6 1PA. Tel: 01425 655555 Approved Sellers - Mystic Moments, New Directions, World of Moulds					
1.4 Emergency Tel. No.		+44(0)1425 655555			

02. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture	
Not classed as a hazardous substance.	
Classification (EC 1272/2008)	
Not classed as a hazardous substance.	
2.2 Label Elements	
Label in accordance with (EC) No 1272/2008	
None.	
Signal Word	None.
Contains	Contains no hazardous substances.
Hazard Statements	
None.	
Precautionary Statements	
None.	
Supplementary Precautionary Statements	
None.	
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

3.1 Substances

04. FIRST AID MEASURES

4.1 Description of first aid measures	
Inhalation	None.
Ingestion	None.
Skin Contact	Remove contaminated clothing. Wash skin with soap and water. Seek medical attention if any discomfort continues.
Eye Contact	Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and open eyes wide apart. Get medical attention immediately. Continue to rinse.
4.2 Most important symptoms and effects, both acute and delayed	
No symptoms known.	
4.3 Indication of any immediate medical attention and special treatment needed	
None.	

05. FIRE-FIGHTING MEASURES

5.1 Extinguishing Media	
Extinguishing media : Carbon dioxide (CO ₂). Dry Chemical Powder. Foam. Unsuitable extinguishing media: none.	
5.2 Special hazards arising from the product	
Not flammable.	
5.3 Advice for firefighters	
None.	

06. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures	
None.	
6.2 Environmental Precautions	
Do not discharge into drains, water courses or onto the ground. Dispose of in line with Local authority guidelines.	
6.3 Methods and material for containment and cleaning up.	
Cover with an inert, inorganic, non-combustible absorbent material (e.g dry-lime, sand, soda ash). Place in covered containers and dispose of in accordance with current laws and regulations. If Spillage on water occurs; Confine the spill immediately with booms. Warn other ships. Notify port and other relevant authorities. Remove from the surface by skimming or with suitable absorbents. In running waters, apply appropriate dispersants in accordance with local regulation.	
6.4 Reference to other sections	
None.	

07. HANDLING AND STORAGE

7.1 Precautions for safe handling	
Keep containers leak proof closed and dry. Protect against sun/light. Prevent spills and leakages to avoid slip hazard.	
7.2 Conditions for safe storage, including any incompatibilities	
Intrusion into soil to be avoided. Store the product in cool (max. at room temperature) and well-ventilated environment and keep away from sources of ignition. Provide suitable mechanical equipment for the safe handling of drums and heavy packages. Electrical equipment and fittings must comply with local regulations.	

7.3 Specific end use(s)

No additional data available.

08. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

None.

8.2 Exposure controls

Protective Equipment

No special measures required.

Process Conditions No special measures required.

Engineering Measures No special measures required.

Respiratory Equipment No special measures required.

Hand Protection No special measures required.

Eye Protection No special measures required.

Other Protection No special measures required.

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

Personal Protection Use personal protection according to Directive 89/686/EEC.

Skin Protection No special measures required.

Environmental Exposure Controls Avoid discharging into drainage water.

09. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance Clear liquid.

Colour Pale yellowish oily liquid.

Odour Neutral

Relative Density 0.910 - 0.920 @ 20°C

Flash Point (°C) >300

Refractive Index 1.465 - 1.470 @ 20°C

Melting Point (°C) No additional data available.

Boiling Point (°C) >350

Vapour Pressure No additional data available.

Solubility in Water @20°C Insoluble in water. Soluble in oil and ethanol.

Auto-ignition temperature (°C) No additional data available.

9.2 Other information

No additional data available.

10. STABILITY AND REACTIVITY

10.1 Reactivity

None.

10.2 Chemical stability

Stable under the recommended handling and storage conditions.

10.3 Possible hazardous reactions

None.

10.4 Conditions to Avoid

None.
10.5 Incompatible materials
None.
10.6 Hazardous Decomposition Products
Product does not decompose at proper handling.

11. TOXOLOGICAL INFORMATION

11.1 Information on toxicological effects	
Acute Toxicity	In compliance with generally accepted uses and quantities are no negative impacts to be expected. LD50 oral: not determined LD50 dermal: not determined LC50: not determined Inhalation: There is no expected negative impact. Ingestion: There is no expected negative impact. Skin contact: There is no expected negative impact. Eye contact: There is no expected negative impact.
Skin corrosion / irritation	In compliance with generally accepted uses and quantities are no negative impacts to be expected.
Serious eye damage / irritation	In compliance with generally accepted uses and quantities are no negative impacts to be expected.
Respiratory or skin sensitisation	In compliance with generally accepted uses and quantities are no negative impacts to be expected.
Germ Cell Mutagenicity	No additional data available.
Carcinogenicity	No expected negative impact.
Reproductive toxicity	No expected negative impact.
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.

12. ECOLOGICAL INFORMATION

12.1 Toxicity	
No additional data available.	
12.2 Persistence & degradability	
Biodegradable.	
12.3 Bioaccumulation Potential	
Possible.	
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	
Do not allow product to enter streams, sewers or other waterways.	

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods	
Collect and dispose of waste product at an authorised disposal facility. Product remainders should not	

intrude soil or waters.

14. TRANSPORT INFORMATION

14.1 UN number	
UN No. Road	No additional data available.
UN No. SEA	No additional data available.
UN No. AIR	No additional data available.
14.2 UN proper shipping name	
No additional data available.	
14.3 Transport hazard class(es)	
No additional data available.	
14.4 Packing group	
No additional data available.	
14.5 Environmental hazards	
No hazard label necessary – non hazardous product.	
14.6 Special precautions for user	
See sections 6 - 8	
14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC code	
Not defined.	

15. REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture	
An assessment has not been executed.	
15.2 Chemical safety assessment	
No additional information available.	

16. OTHER INFORMATION

Hazard and/or Precautionary Statements in Full	None
Other Information	None
Revision Date	19/08/16
Reason for revision	New SDS
Rev No/Repl, SDS Generated	01

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.



Product Specification

PRODUCT DETAILS			
Product Name	OAT OIL REFINED DEODORISED		
Product Code	OVOAT		
INCI Name	Avena Sativa Kernel Oil		
Country of Origin	EU		
Tariff Number	15159060		
Natural Status	We hereby declare, to the best of our knowledge and from information received from our supplier, that this product is in accordance to the requirements of Articles 3 (2) (d) of Regulation (EC) 1334/2008 and therefore can be designated as natural.		
Food Grade Status	We confirm, from information received from our supplier, that this product conforms with EU Regulations and can be used in food.		
Kosher Certified	Can be added		
Halal Certified	We hereby declare, from information received from our supplier, that this product does not contain any ingredient derived from animal origin, extracted from hair or feathers, animal fats, animal extracts, blood of any origin, blood plasma, pork and/or other meat products. This product does not contain alcohol (ethanol or grain alcohol) and has not been used in the manufacturing process.		
GMO Declaration	To the best of our knowledge and from information received from our supplier, this product does not derive from genetically modified starting raw material, or additives that are derived from genetically modified organisms.		
Manufacturing Process	Avena Sativa Kernel Oil is the fixed oil expressed from the kernels of the Oat, Avena sativa L Poaceae.		
Identification	CAS No: 84012-26-0 EINECS No: 281-672-4		
PHYSICAL AND CHEMICAL CHARACTERISTIC			
Appearance	Liquid		
Colour	Pale yellowish		
Odour	Neutral		
Relative Density @20°C	0.910 - 0.920		
Refractive Index @ 20°C	1.465 - 1.470		
Solubility in water @ 20°C	Insoluble in water. Soluble in oil and ethanol		
Boiling Point	>300°		
Iodine Value (mg/g)	120 - 140		
Peroxide Value (Meq/Kg)	<2.0 (at time of production analysis)		
Saponification Value (mgKOH/g)	181 - 199		
Acid Value (mgKOH/g)	<0.5		
FATTY ACID PROFILE (%)			
C 16:0 Palmitic Acid	11.0 - 20.0%	C 16:1 Palmitoleic Acid	<1.0%
C 18:0 Stearic Acid	0 - 3.6%	C 18:1 Oleic Acid	12.0 - 38.0%
C 18:2 Linoleic Acid	40.0 - 60.0%	C 18:3 Linolenic Acid	4.0 -10.0%
C 20:0 Arachidic Acid	<1.0%	C 20:1 Eicosenoic Acid	<2.0
FRAGRANCE ALLERGENS			
NONE PRESENT			
IFRA			
NONE PRESENT			
STORAGE AND SHELF LIFE			
Storage	Store in tightly closed container with minimum headspace in a cool, dark and dry place.		

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 users responsibility to satisfy himself as to the suitability of such information for his own particular use. Where MADAR Corporation make a declaration that allergenic material are not present in any product, this statement is made assuming reasonable levels of detection. It is impossible to guarantee the "absolute absence" of any material. It is the ultimate responsibility of the customer to ensure the safety of the intended final product containing this material, by carrying out additional tests if necessary.

Issue No: 1

11/11/2016



Vegetarian & Vegan Suitability Statement

PRODUCT NAME: OAT OIL REFINED DEODORISED

MADAR Corporation Limited can confirm that the above listed product has not been tested in animals and does not contain dairy or any other animal product, by product or derivative and is therefore suitable for vegetarian and vegan use.

04/03/19