



Certificate of Analysis

Product Description:	Blackcurrant Oil, Refined	INCI Name:	Ribes Nigrum Seed Oil
EINECS Number:	Not Listed	CAS Number:	97676-19-2
Batch Number:	4357114	Best Before End:	April 2021

Analytical Details	Result
Appearance	Clear, mobile, yellow liquid
Specific Gravity @ 20°C	0.926
Refractive Index @ 20°C	1.480
Free Fatty Acid (% as oleic)	0.17
Peroxide Value (MeqO ₂ /kg)	1.1
Saponification Value	189.0
Unsaponifiable Matter	1.2
Colour (Gardner)	4.5
Acid Value (mg KOH/g)	0.34
Benzo (A) Pyrene (µg/kg)	<0.1
Dioxins	<0.172
Dioxins and Dioxin-like PCB's	<0.275
PCB's (Sum 28, 52, 101, 138, 153, 180)	<1.0
Sum of B(a)P, B(a)A, B(a)F and Chrysene	<0.7
Salmonella (cfu/g)	Not Detected
Yeast and Moulds (cfu/g)	<1
E. coli (cfu/g)	Not Detected
Staphylococcus Aureus (cfu/g)	Not Detected
Lead (mg/kg)	<0.02
Cadmium (mg/kg)	<0.01
Mercury (mg/kg)	<0.001
Arsenic (mg/kg)	<0.02
Total Plate Count (cfu/g)	<10

Palmitic Acid	C16:0	6
Stearic Acid	C18:0	1.7
Oleic Acid	C18:1	13.1
Linoleic Acid	C18:2	46.5
Alpha Linolenic Acid	C18:3	12.7
Gamma Linolenic Acid	C18:3	14
Stearidonic Acid	C18:4	2.7



Allergen Statement

Product: Blackcurrant Refined Oil

INCI Name: Ribes Nigrum Oil

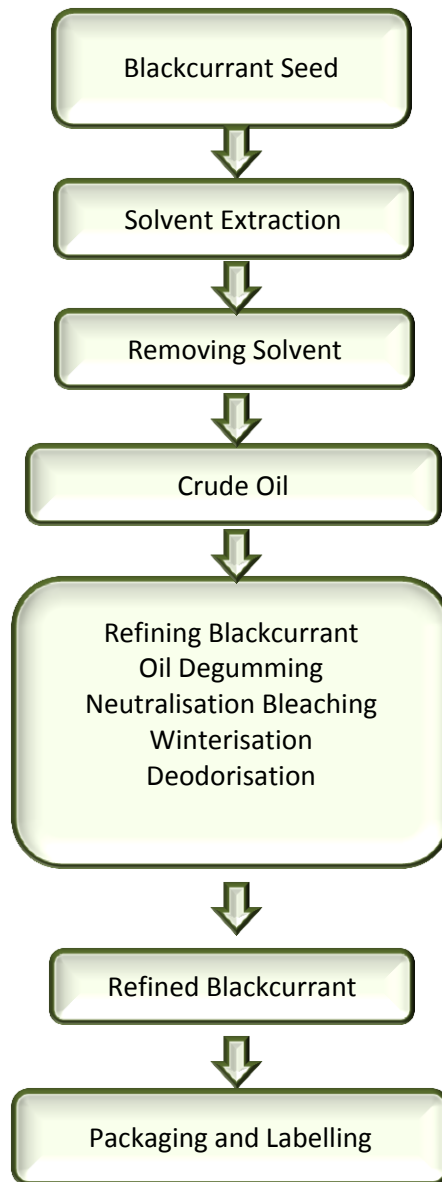
Cosmetic Allergens

From The 7th Amendment to the Cosmetic Directive of the European Union (EU) – Annex III
26 Fragrance Allergens

Annex III Ref:	Material:	CAS No:	Total Allergen Inclusion Level (%)
67	AMYL CINNAMAL	122-40-7	0
68	BENZYL ALCOHOL	100-51-6	0
69	CINNAMYL ALCOHOL	104-54-1	0
70	CITRAL	5392-40-5	0
71	EUGENOL	97-53-0	0
72	HYDROXY-CITRONELLAL	107-75-5	0
73	ISOEUGENOL	97-54-1	0
74	AMYL CINNAMYL ALCOHOL	101-85-9	0
75	BENZYL SALICYLATE	118-58-1	0
76	CINNAMAL	104-55-2	0
77	COUMARIN	91-64-5	0
78	GERANIOL	106-24-1	0
79	HYDROXY-METHYLPENTYL CYCLOHEXENECARBOXALDEHYDE	31906-04-4	0
80	ANISE ALCOHOL	105-13-5	0
81	BENZYL CINNAMATE	103-41-3	0
82	FARNESOL	4602-84-0	0
83	BUTYLPHENYL METHYLPROPIONAL	80-54-6	0
84	LINALOOL	78-70-6	0
85	BENZYL BENZOATE	120-51-4	0
86	CITRONELLOL	106-22-9	0
87	HEXYL CINNAM-ALDEHYDE	101-86-0	0
88	LIMONENE	5989-27-5	0
89	METHYL HEPTIN CARBONATE	111-12-6	0
90	ALPHA-ISOMETHYL IONONE	127-51-5	0
91	EVERNIA PRUNASTRI EXTRACT	90028-68-5	0
92	EVERNIA FURFURACEA EXTRACT	90028-67-4	0



Blackcurrant Seed Oil Manufacturing Flow Chart



Blackcurrant Oil, Refined

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product Identifier

Product Name	Blackcurrant Oil, Refined				
Biological Definition	Vegetable Oil				
INCI Name	Ribes Nigrum Seed Oil				
Synonyms & Trade Names	Blackcurrant Oil				
Product Code	OVBLAC				
CAS-No	97676-19-2	EC No.	N/A	EINECS No.	N/A

1.2 Details of the supplier of the safety data sheet

Company Identification	MADAR Corporation Limited, 19-20 Sandleheath Industrial Estate Fordingbridge, Hampshire, SP6 1PA,				
Approved Sellers	Mystic Moments, New Directions, World of Moulds				

1.3 Details of the supplier of the safety data sheet

Emergency Contact	☎ 01425 655555 (during working hours only)				
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SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification (67/548/EEC)	Non-hazardous
Classification (EU 1272/2008)	Non-hazardous

2.2 Label elements

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

GHS Label:	None
Signal word:	None
Contains	N/A
Hazard Statements:	N/A
Precautionary Statements:	N/A
Supplementary Precautionary Statements:	N/A

2.3 Other hazards

Adverse physio-chemical properties	N/A
Adverse effects on human health	Not to be expected if handled and used Properly

SECTION 3: Composition/information on ingredients

3.1 Substances

N/A

3.2 Mixtures

EU INCI	US INCI
N/A	N/A

SECTION 4: First aid measures

4.1 Description of first aid measures

General Information	See below for details
Inhalation	Not a direct hazard
Ingestion	Not a direct hazard
Skin Contact	Not a direct hazard
Eye Contact	Rinse thoroughly with a lot of water for some minutes

4.2 Most important symptoms and effects, both acute and delayed

N/A

4.3 Indication of any immediate medical attention and special treatment needed

N/A

SECTION 5: Fire fighting measures

5.1 Extinguishing Media

Suitable: Dry fire extinguisher / Carbon dioxide / AFFF (A Film Forming Foam)

Not suitable: water

5.2 Special hazards arising from the substance or mixture.

Acrid fumes may be formed.

5.3 Advice for fire-fighters

Wear self-contained breathing apparatus.

SECTION 6: Accidental release measures

6.1 Personal precautions

The usual precautions for handling vegetable oil should be observed.

6.2 Environmental precautions

Do not empty into drains and sewers.

6.3 Methods and material for containment and cleaning up

Cover with absorbent material. (e.g. universal binding material/sand/siliceous earth)

6.4 References to other sections.

Please refer to *Section 8 - Exposure controls/personal protection* for further information on personal precautions

Please refer to *Section 13 - Disposal Considerations* for further information on waste treatment.

Blackcurrant Oil, Refined

SECTION 7: Handling and Storage

7.1 Precautions for safe handling

Keep away from heat.

7.2 Conditions for safe storage, including any incompatibilities

Keep in a cool place, avoid light and heat.

Suitable packaging materials: polyethylene / glass / food grade steel drum

7.3 Specific end use(s)



N/A

SECTION 8: Exposure controls/personal protection

8.1 Control Parameters

This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

8.2 Exposure Controls

Eye protection		Not necessary
Hand protection		Not necessary
Respiratory Equipment	Not necessary	
Hygiene Measures	Not necessary	
Engineering Measures	Not necessary	

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance	Clear, mobile liquid
Colour	Yellow
Odour	Characteristic
Relative Density	0.920 – 0.930
Flash Point (°C)	N/A
Refractive Index	1.478 – 1.482
Melting Point (°C)	N/A
Boiling Point (°C)	>250
Vapour Pressure	N/A
Solubility in Water @20°C	Practically insoluble
Auto-ignition temperature (°C)	>300

9.2 Other information

N/A

SECTION 10: Stability and reactivity

10.1 Reactivity

Stable under normal conditions.

10.2 Chemical stability

Stable under normal temperature conditions.

10.3 Possibility of hazardous reactions

None under normal use conditions.

10.4 Conditions to avoid

Influence of light and heat.

10.5 Incompatible materials

Avoid contact with strong oxidising agents.

10.6 Hazardous decomposition products

In case of thermal decomposition, acrid fumes may be found.

SECTION 11: Toxicological information

11.1 Information on toxicological effects.

Acute toxicity:	N/A
Skin corrosion / irritation:	Not an Irritant
Serious eye damage/irritation:	Not an Irritant
Respiratory or skin sensitisation:	Not an sensitizer
Germ cell mutagenicity:	N/A
Carcinogenicity:	N/A
Reproductive toxicity:	N/A
STOT-single exposure:	N/A
STOT-repeated exposure:	N/A
Aspiration hazard:	N/A
Other information:	N/A

SECTION 12: Ecological information

12.1 Toxicity

N/A

12.2 Persistence and degradability

Biodegradable

12.3 Bio-accumulative potential

N/A

12.4 Mobility in soil

N/A

12.5 Results of PBT and VPVB assessment

N/A

12.6 Other adverse effects

N/A

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

Warning Icon	None
Proper Shipping Name	N/A
UN No. Road	Not restricted
ADR Class	Not restricted
Hazard No (ADR)	Not restricted
Hazchem Code	Not restricted
UN No. SEA	Not restricted
IMDG Class	Not restricted
IMDG Pack Gr.	Not restricted
EMS	Not restricted
UN No. AIR	Not restricted
Air Class	Not restricted
Air Pack Gr.	Not restricted

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

EU Directives	Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 th Dec 2006 Concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 199/45/EC and repealing Council Regulation Council Regulation (EEC) No793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, and 93/105/EEC and 2000/21/EC including amendments.
Statutory Instruments	The Chemicals (Hazard Information and Packaging for Supply Regulations 2009 (S.I. 2009 No 716).
Approved Code of Practice	Classification and Labelling of Substances and Preparations Dangerous for Supply. Safety Data Sheets for Substances and Preparations
Guidance Notes	Workplace Exposure Limits EH40. CHIP for everyone HSG 108.

15.2 Chemical safety assessment

An assessment has not been executed as this is not a hazardous material according to article 31 of REACH 1907/2006.

SECTION 16: Other information

Training instructions: Refer to possible hazard before use of this product.

Abbreviations and acronyms:

MSDS	Material Safety Data Sheet
INCI	International Nomenclature of Cosmetic Ingredients
CAS	Chemical Abstract Service
IMDG	International Maritime Code for Dangerous Goods
ADR	Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
RID	International Carriage of Dangerous Goods by Rail
ICAO	International Civil Aviation Organization
ADN	International Carriage of Dangerous Goods by Inland Waterways
GHS	Globally Harmonized System of Classification and Labelling of Chemicals
Trem Card	Transport Emergency Card
STOT	Specific Target Organ Toxicity
N/A	Not Available

Complies with REACH guidance for SDS as circulated by ECHA 2011.

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Revisions in this document

Date (DD-MM-YYYY)	Change	Revision Number
10/07/2015	New Issue	0



SPECIFICATION

Version Number	3	Revision Date	08/03/2019
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PRODUCT IDENTIFIER	
Product Name	Blackcurrant Refined Oil
Biological Definition	Ribes Nigrum Seed Oil is the fixed oil obtained from the seeds of Black Currant, Ribes Nigrum L., Saxifragaceae
INCI Name	Ribes Nigrum Seed Oil
Internal Product Code	OVBLAC
CAS Number	97676-19-2
EINECS Number	Not Listed

ANALYTICAL DETAILS	RANGE
Appearance	Yellowish liquid, can be hazy at lower temperatures
Odour	Characteristic
Colour Gardner	≤8.0
Specific Gravity/Relative Density @ 20°C	0.920 – 0.930
Refractive Index @ 20°C	1.478 – 1.482
Peroxide Value	≤10.0
Acid Value (mg KOH/g)	≤1.0
Free Fatty Acid (% as oleic)	≤0.5
Saponification Value	185.0 – 195.0
Unsaponifiable Matter	≤2.5

Fatty Acid Profile	C16:0	Palmitic	5.0 – 8.0
	C18:0	Stearic	1.0 – 3.0
	C18:1	Oleic	8.0 – 16.0
	C18:2	Linoleic	43.0 – 50.0
	C18:3	Gamma Linolenic	≥13.0
	C18:3	Alpha Linolenic	12.0 – 16.0
	C18:4	Stearidonic	≥2.0

Shelf Life	24 Months
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