

<u>CERTIFICATE OF ANALYSIS</u> <u>ORGANIC BERGAMOT OIL FCF</u>

Batch No:	4537910
Best Before :	March 2027

Appearance: A pale yellow liquid. **Odour:** Fresh, citrus fruit.

TEST	SPECIFICATION	ANALYSIS
Specific Gravity @ 20°C	0.863 - 0.873	0.867
Refractive Index @ 20°C	1.458 -1.468	1.463
Optical Rotation @ 20°C	+20.00 to +40.00	+31.1
Peroxides (mmol/l)	< 20.0	12.0



Product Na	me	Organic Bergamot Oil FCF (Bergaptene Free)			
INCI Name		Citrus Bergamia Oil			
Date	01/08/2019	Product Code		Revision	2

Material	Cas Number	Cosmetic Allergens Inclusion (%)
ALPHA-ISOMETHYLIONONE	127-51-5	-
AMYL CINNAMAL	122-40-7	-
AMYL CINNAMYL ALCOHOL	101-85-9	-
ANISE ALCOHOL	105-13-5	-
BENZYL ALCOHOL	100-51-6	-
BENZYL BENZOATE	120-51-4	-
BENZYL CINNAMATE	103-41-3	-
BENZYL SALICYLATE	118-58-1	-
BUTYLPHENYLMETHYLPROPIONAL	80-54-6	-
CINNAMAL	104-55-2	-
CINNAMYL ALCOHOL	104-54-1	-
CITRAL	5392-40-5	≤ 1.0
CITRONELLOL	106-22-9	≤ 0.03
COUMARIN	91-64-5	-
EUGENOL	97-53-0	-
EVERNIA FURFURACEA EXTRACT	90028-67-4	-
EVERNIA PRUNASTRI EXTRACT	90028-68-5	-
FARNESOL	4602-84-0	-
GERANIOL	106-24-1	-
HEXYL CINNAMAL	101-86-0	-
HYDROXYCITRONELLAL	107-75-5	-
HYDROXYISOHEXYL 3-CYCLOHEXENE CARBOXALDEHYDE	31906-04-4	-
ISO EUGENOL	97-54-1	-
LIMONENE	5989-27-5	≤ 47.0
LINALOOL	78-70-6	≤ 15.0
METHYL 2-OCTYNOATE	111-12-6	-

Date 1st Aug 2019

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Product Name	Organic Bergamot FCF		
Date	08/01/2020	Product Code	
Water Furocoumarins	Citrus Bergar Quality Cold Pres	Product Code mia Risso, Rutaceae Control Check sing/Expression illation to Remove occumarins sential Oil	Bergamot Fruit Separated and Retained for Additional Processing
		iltration Control Check	

Packaging and Labelling



GMO Statement

PRODUCT NAME: Bergamot Organic

 \mbox{MADAR} Corporation Limited can confirm that the above listed product is GMO Free.

06/03/2019



Product Name	Organic Bergamot Oil FCF (Bergaptene Free)		
INCI Name	Citrus Bergamia Peel Oil Expressed		
Product Code	OCBERG		
Revision No	1 Date 11/02/2021		

Restricted Component	CAS	% Level in Product	IFRA Standard
LIMONENE	5989-27-5	≤47.0	Specification
LINALOOL	78-70-6	≤15.0	Specification
CITRAL	5392-40-5	≤	Restriction
CITRONELLOL	106-22-9	≤	Restriction
CITRONELLAL	106-23-0	≤	Restriction
BERGAPTEN	-	≤	Restriction

We certify that the above compound is in compliance with the Standards of the International Fragrance Association (IFRA 49TH Amendment published June 25); provided it is used in the following class(es) at a maximum concentration level of the above.

Flavour use consideration - Due to the possible ingestion of small amounts of fragrance ingredients from their use in products in Categories 1 and 6, materials must not only comply with IFRA Standards but must also be recognized as safe as a flavouring ingredient as defined by the IOFI Code of Practice (www.iofi.org). For more details see chapter 1 of the Guidance for the use of IFRA Standards.

The Standard is set due to the phototoxic effects of Citrus oils and other furocoumarins containing essential oils. For more detailed information on the application of this Standard, please refer to the note on phototoxic ingredients in chapter 1 of the Guidance for the use of IFRA Standards.

Where the Bergapten (5-Methoxypsoralen, (5-MOP)) content of all relevant oils present in a compound has been determined, it is recommended that for applications on areas of skin exposed to UV-light, the total level of Bergapten in the consumer products should not exceed 0.0015% (15 ppm). This upper concentration level only applies to applications on skin exposed to UV-light, excluding rinse-off products and incidental skin contact products as detailed in the Guidance for the use of IFRA Standards.

Where the level of Bergapten has not been determined by appropriate methods, the limits specified in the guidelines on individual oils should apply. In those cases, where such oils are used in combination with other furocoumarin-containing phototoxic fragrance ingredients (extracts), the additive effect has to be taken into consideration and the concentration levels have to be reduced accordingly.

IFRA class(es) [see annex for details]	Max level of use (%)
Category 1	11.0
Category 2	3.20
Category 3	10.00
Category 4	60.00
Category 5A	15.00
Category 5B	15.00
Category 5C	15.00
Category 5D	5.10
Category 6	35.00
Category 7A	20.00
Category 7B	20.00
Category 8	5.10
Category 9	Not restricted
Category 10A	Not restricted
Category 10B	Not restricted
Category 11A	5.10
Category 11B	5.10
Category 12	Not restricted

For other kinds of application or use at higher concentration levels, a new evaluation may be needed.

The IFRA Standards regarding use restrictions are based on safety assessments by the Panel of Experts of the RESEARCH INSTITUTE FOR FRAGRANCE MATERIALS (RIFM) and are enforced by the IFRA Scientific Committee.

Evaluation of individual Fragrance ingredients is made according to the safety standards contained in the relevant section of the IFRA Code of Practice.

This certificate serves only as a guide to the maximum level of use. It is the ultimate responsibility of the customer to ensure safe formulating principles are utilised and the safety of the final product (containing this fragrance), by further testing if need be.

Note 1: It is recommended that any material used to impart perfume or flavour in products intended for human ingestion should consist of ingredients that are in compliance with appropriate regulations for foods and food flavourings in the countries of planned distribution.

Note 2: Trials must be performed to satisfy suitability for specified application.

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ANNEX: Definition of IFRA Classes

Finished product types	IFRA Category	Flavour Use	Phototoxicity
Lip products of all types (solid and liquid lipsticks, balms, clear and coloured, etc.) Children's Toys	1	Yes	Applicable (Leave-on Products)
Deodorant and antiperspirant products of all types including any product with intended or reasonably foreseeable use on the axillae or labelled as such (spray, stick, roll-up, under-arm, deo-cologne, etc.). Body sprays (including mist).	2	No	Applicable (Leave- on Products)
Eye products of all types (eye-shadow, mascara, eyeliner, eye make-up, eye masks, eye pillows, etc.) including eye care and moisturiser. Face make-up and foundation. Make-up remover for face and eyes. Nose pore strips. Wipes refreshing tissues for face, neck, hands, body. Body and face paint (for children and adults). Facial masks for face and around the eyes.	3	No	Applicable (Leave- on Products)
Hydroalcoholic and non-hydroalcoholic fine fragrance of all types (Eau De Toilette, Parfum, Cologne, Solid Perfume, Fragrancing Cream, Aftershaves of all types etc.) Fragranced Bracelets. Ingredients of perfume kits and fragrance mixtures for cosmetic kits. Scent pads, foil packs. Scent strips for hydroalcoholic products.	4	No	Applicable (Leave- on Products)
Body Creams, oils, lotions of all types. Foot care products (creams and powders). Insect repellent (intended to be applied to skin). All powders and talc (excluding baby powders and talc).	5A	No	Applicable (Leave- on Products)
Facial toner. Facial Moisturisers and creams.	5B	No	Applicable (Leave- on Products)
(women's facial creams) Hand cream. Nail care products including cuticle creams, etc. Hand sanitisers.	5C	No	Applicable (Leave- on Products)
Baby cream/lotion, baby oil, baby powders and talc.	5D	No	Applicable (Leave- on Products)
Toothpaste. Mouthwash, including breath sprays. Toothpowder, strips, mouthwash tablets.	6	Yes	Applicable (Leave- on Products)
Hair permanent or other hair chemical treatments (rinse-off) (e.g. relaxers), including rinse off hair dyes	7A	No	Applicable (Leave- on Products)
Hair sprays of all types (pumps, aerosol sprays, etc). Hair styling aids non-spray (mousse, gels, leave-on conditioners). Hair permanent or other hair chemical treatments (leave-on) (e.g. relaxers), including leave-on hair dyes. Shampoo – Dy (waterless shampoo). Hair deodoriser.	7B	No	Applicable (Leave- on Products)
Intimate wipes. Tampons. Baby Wipes. Toilet paper (wet).	8	No	Applicable (Leave- on Products)
Bar soap. Shampoo of all types. Cleanser for face (rinse-off). Conditioner (rinse-off) Liquid soap. Body washes and shower gels of all types. Baby	9	No	Applicable (Rinse-off Products)

wash, bath, shampoo. Bath gel foams, mousses, salts, oils, and other products added to bath water. Foot care products (feet are placed in bath for soaking). Shaving creams of all types (stick, gel, foams, etc.). All depilatories (including facial) and waxes for mechanical hair removal. Shampoo for pets.			
Hand wash laundry detergent (including concentrates). Laundry pretreatment of all types (e.g. paste, sprays, sticks). Hand dishwashing detergent (including concentrates). Hard surface cleaners of all types (bathroom and kitchen cleansers, furniture polish, etc.). Machine laundry detergents with skin contact (e.g. liquids, powders) including concentrates. Dry cleaning kits. Toilet seat wipes. Fabric softeners of all types including fabric softener sheets. Household cleaning products, other types including fabric cleaners, soft surface cleaners, carpet cleaners, furniture polishes spray and wipe, leather cleaning wipes, stain removers, fabric enhancing sprays, treatment products for textiles (e.g. starch sprays, fabric treatment with fragrances after wash, deodorisers for textiles or fabrics). Floor wax. Fragranced oil for lamp ring, reed diffusers, pot-purri, liquid refills for air fresheners (non-cartridge systems), etc. Ironing water (odourised distilled water).	10A	No	Applicable (Rinse- off Products)
Animal sprays – sprays applied to animals of all types. Air fresheners sprays, manual, including aerosol and pump. Aerosol spray insecticides.	10B	No	Applicable (Rinse- off Products)
Feminine hygiene conventional pads, liners, interlabial pads. Diapers (baby and adult). Adult incontinence pant, pad. Toilet paper (dry).	11A	No	Not Apllicable (leave-on products without UV exposure)
Tights with moisturisers. Scented cocks, gloves. Facial tissues (dry tissues). Napkins. Paper Towels. Wheat bags. Facial masks (paper/protective) e.g. surgical masks used as medical device. Fertilisers, solid (pellet or powder).	11B	No	Applicable (Leave- on Products)
Candles of all types (including encased). Laundry detergents for machine wash with minimal skin contact (e.g. Liquid tabs, pods). Automated air fresheners and Fragrancing of all types (concentrated aerosol with metred doses (range 0.05 – 0.5 ml/spray) plug-ins, closed systems, solid substrate, membrane delivery, electrical, powders, fragrancing sachets, incense, liquid refills (cartridge), air freshening crystals. Air delivery systems. Cat litter. Cell phone cases. Deodorisers/maskers not intended for skin contact (e.g. fabric drying machine deodorisers and carpet powders). Fuels. Insecticides (e.g. mosquito coil, paper, electrical, for clothing) excluding aerosols/sprays. Joss sticks or incense sticks. Dishwasher detergent and deodorisers – for machine wash. Olfactive board games. Paints. Plastic articles (excluding toys). Scratch and sniff. Scent pack. Scent delivery system (using dry air technology). Show polishes. Rim blocks (Toile).	12	No	Not Apllicable (Non-skin contact products)

The table was prepared with the intention to cover the vast majority of the products; however, it may not cover some specific applications. In this case other classes may be attributed based on a specific risk assessment.



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

1.1 Product Identifie	er				
Product Name		Bergamot Oil FCF Organic.			
Biological Definition		Citrus Bergamia Peel Oil Expressed is an essential oil expressed from the epicarps of the Bergamot, Citrus bergamia risso, Rutaceae.		•	
INCI Name		Citrus Bergamia Peel Oil Expressed			
Synonyms & Trade Names		-			
CAS-No	89957-91-5	EC No.	616-915-9	EINECS No.	616-915-9

1.2 Relative identified uses of the substance or mixture and uses advised against

Relevant Uses: Flavours, Fragrances and flavouring agent in alcohol. Use in accordance with good manufacturing and industrial hygiene practices.

1.3 Details of the supplier of the safety data sheet

MADAR Corporation Limited 19-20 Sandleheath Industrial Estate Fordingbridge Hampshire SP6 1PA

1.4 Emergency Tel. No.

+ 44 (0) 1425 655555 during office hours

02. HAZARD IDENTIFICATION

2.1 Classification of the substance or mixture

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

Classification (EC 1272/2008)

Physical hazards:

- Flam. Liq. 3 - H226

Health hazards:

- Asp. Tox. 1- H304
- Skin Irrit. 2 H315
- Skin Sens. 1B H317
- Eye Irrit. 2 H319

Environmental hazards:

- Aquatic Acute 1- H400
- Aguatic Chronic 1- H410

2.2 Label Elements

Label in accordance with (EC) No 1272/2008

GHS02 GHS08 GHS07 GHS09

MYSTIC MOMENTS









Signal Word

Danger.

Contains

d-Limonene, beta-Pinene, Y-terpinene

Hazard Statements

H226 Flammable liquid and vapour.

H304 May be fatal if swallowed and enters airways.

H317 May cause an allergic skin reaction.

H319 Causes serious eye irritation.

H410 Very toxic to aquatic life with long lasting effects.

Precautionary Statements

P210 Keep away from heat/sparks/open flames/hot surfaces. — No smoking.

P241 Use explosion-proof electrical / ventilating / lighting equipment.

P262 Do not get in eyes, on skin or on clothing.

P273 Avoid release to the environment.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P301+P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.

P331 Do NOT induce vomiting.

P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

P370+P378 In case of fire: Use Carbon dioxide, Dry powder or Foam to extinguish.

P501 Dispose of contents/container according to the local regulations.

Supplementary Precautionary Statements

P264 Wash hands and exposed skin thoroughly after handling.

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

3.2 Mixtures

≤47.0% d-Limonene

CAS: 5989-27-5 EC: 227-813-5 Classification (EC 1272/2008)

- Flam. Liq. 3 H226
- Asp Tox. 1 H304
- Skin Irrit 2 H315
- Skin Sens. 1 H317
- Aguatic Acute 1 H400
- Aquatic Chronic 1 H410

≤30.0% Linalyl Acetate

CAS: 115-95-7 EC: 204-116-4



Classification (EC 1272/2008)

- Skin Irrit. 2 H315
- Eye Irrit. 2 H319

≤15.0% Linalool

CAS: 78-70-6 EC: 201-134-4 Classification (EC 1272/2008)

Skin Irrit. 2 - H315 Skin Sens. 1B - H317 Eye Irrit. 2 - H319

≤7.0% beta-Pinene

CAS: 127-91-3 EC: 204-872-5 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

≤7.0% Y-terpinene

CAS: 99-85-4 EC: 202-794-6 Classification (EC 1272/2008)

- Flam. Liq. 3 H226
- Asp Tox. 1 H304

≤1.0% Myrcene (7-methyl-3-methyleneocta-1,6-diene)

CAS: 123-35-3 EC:204-622-5 Classification (EC 1272/2008)

- Flam. Liq. 3 H226
- Asp. Tox. 1 H304
- Skin Irrit. 2 H315
- Eye Irrit. 2 H319
- Aquatic Acute 1 H400
- Aquatic Chronic 1 H410

≤1.0% Sabinene

CAS: 3387-41-5 EC: 222-212-4 Classification (EC 1272/2008)

- Flam. Liq. 3 H226
- Asp. Tox. 1 H304

≤1.0% Alpha-pinene

CAS: 80-56-8 EC: 201-291-9 Classification (EC 1272/2008)

- Flam. Liq. 3 H226
- Acute Tox. 4 H302
- Asp. Tox. 1 H304
- Skin Irrit. 2 H315
- Skin Sens. 1 H317
- Aquatic Acute 1 H400



- Aquatic Chronic 1 – H410

≤1.0% Citral

CAS: 5392-40-5 EC: 226-394-6 Classification (EC 1272/2008)

Skin Irrit. 2- H315

Skin Sens. 1- H317

04. FIRST AID MEASURES

4.1 Description of first aid measures		
Inhalation	Remove victim immediately from source of exposure. Get medical attention if any discomfort continues.	
Ingestion	Rinse mouth and drink abundant water to dilute substance. Avoid vomiting, risk of aspiration!	
Skin Contact	Remove contaminated clothes. Wash affected areas with copious amounts of water.	
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

Symptoms:

- Inhalation: Can cause slight headache
- Contact: can cause bloodshot eyes can cause slight skin rash.

Acute and delayed effects:

- no post disorder effects are reported.

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically

First aid specific means: eye wash fountain, safety shower should be available in the work area.

05. FIRE-FIGHTING MEASURES

5.1 Extinguishing Media

Carbon dioxide, Dry powder or Foam. Cool containers with water.

5.2 Special hazards arising from the product

Vapours may form explosive mixture with air – in case of fire, the following can be released: Carbon monoxide, Carbon dioxide, smoke, soot.

5.3 Advice for firefighters

Use chemical protection clothing and self-contained breathing apparatus.

06. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

For non emergency personnel: in an emergency (i.e. unintentional important release of the product in enclosed space) respiratory protection (Gas filter A, Colour code brown: consider the maximum duration for wear) must be worn. Use insulating device for respiratory protection with an independent air supply in circumstances which are unclear - use adequate protections solvent resistant: security shoes, bodysuit, gloves and protective goggles (see point 8).



For emergency responders: as per non emergency personnel.

Emergency procedures: remove any ignition source and ensure adequate ventilation in working areas following accidental releases.

6.2 Environmental Precautions

Keep away from sewerage, surface water and groundwater. Do not allow to enter sewerage system.

6.3 Methods and material for containment and cleaning up.

Keep away from heat and use non-combustible absorbing sawdust (sand, specific binder). Refer to point 13 for the appropriate methods of waste treatment.

6.4 Reference to other sections

See point 4, 8 & 13.

07. HANDLING AND STORAGE

7.1 Precautions for safe handling

Safe handling: during handling keep original container closed - avoid contact with skin and eyes – wear adequate protective gloves protection and eye/face protection - avoid any sources of ignition - avoid exposing to high temperature during processing - maintain adequate local and general ventilation where product is handled.

Hygiene at work: do not ingest or apply to the skin as such - no smoking - remove contaminated clothing – good personal washing routines should be followed - if at risk of contamination, foods, beverages and other articles of consumption must not be stored or consumed at the work areas.

7.2 Conditions for safe storage, including any incompatibilities

Container: to be stored in stainless steel drums, preferably under inert atmosphere (nitrogen) with minimum head space, protected from day-light. • take note: the container used during transportation must be considered only as a temporary container and it must not be considered in any case adequate for medium-or long-term warehousing.

Conditions: stored in a dry, aerated place, away from any heat source and ignition source.

Temperature: from 5 °C and 20 °C.

7.3 Specific end use(s)

Use as odour agent / flavouring agent - the information of this section is not related to the use of the product in combination with any other material or any other process altering its characteristics.

08. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Not determined.

8.2 Exposure controls

Protective Equipment



Process Conditions	Provide eyewash station.
Engineering Measures	Where appropriate, use closed system to transfer and process this material - if appropriate, isolate mixing rooms and other areas where this material is used or openly handled - maintain these areas under negative air pressure relative to the rest of the plant.
Respiratory Equipment	Not necessary in adequate local with general ventilation - avoid breathing vapours.
Hand Protection	Suitable gloves tested to EN374 (should be checked regularly) - always use with clean, dry hands.
Eye Protection	Protective goggles with built-in-frame tested to EN166 (should be checked regularly).
Other Protection	Measures should be taken to prevent materials from being splashed into the eyes or on the skin. Wear eye shields and protective clothing.
Hygiene Measures	Good personal hygiene practices are always advisable, especially when working with chemicals / oils.
Personal Protection	Protective work clothing solvent resistant (should be checked regularly).
Skin Protection	Avoid contact with skin. Wear suitable gloves.
Environmental Exposure Controls	Avoid discharging into drainage water. Only eliminate by authorised companies.

09. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties		
Appearance	Clear liquid.	
Colour	Yellow.	
Odour	Citrus, bergamot.	
Relative Density	Approx. 0.86 @ 20°C	
Flash Point (°C)	Approx. 57°C	
Refractive Index	Approx. 1.463 @ 20°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	No additional data available.	
temperature (°C)		
9.2 Other information		
No additional data available.		

10. STABILITY AND REACTIVITY

10.1 Reactivity

Substance not reactive with water - substance not reactive if used according to storage & handling conditions & identified uses (see subsection 1.2).



10.2 Chemical stability

Substance stable if used according to storage & handling conditions & identified uses (see subsection 1.2).

10.3 Possible hazardous reactions

None if used according to storage & handling conditions & identified uses (see subsection 1.2).

10.4 Conditions to Avoid

Avoid exposure to heat.

10.5 Incompatible materials

Strong oxidizers.

10.6 Hazardous Decomposition Products

No known hazardous decomposition products under recommended storage & handling conditions - in case of combustion: carbon monoxide (CO), carbon dioxide (CO2).

11. TOXOLOGICAL INFORMATION

11.1 Information on toxicological effects		
Acute Toxicity	LD50 11.52 g/kg.	
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	May be fatal if swallowed and enters airways.	
Photo-toxicity	No additional data available.	
Other Information	No additional data available.	

12. ECOLOGICAL INFORMATION

12.1 Toxicity

Aquatic life: hazard statement: Very toxic to aquatic life with long lasting effects.

Algae/aquatic plants: EC50 6.2 mg/l (48h) calculated value [source RIFM].

Fish/aquatic invertebrates: No additional data available.

PNECs: No additional data available.

12.2 Persistence & degradability

This substance to be considered as a readily biodegradable substance; based on its ready biodegradability, oil does not fulfil the criteria for persistence.

12.3 Bioaccumulation Potential

Very toxic to aquatic life with long lasting effects.

12.4 Mobility in soil



This substance is considered as a readily biodegradable NCS. Based on the ready biodegradability of the NCS, simulation tests in surface water, sediment and soil are not required in accordance with column 2 of REACh Annex IX.

12.5 Results of PBT and vPvB Assessment

This substance is not classified as: PBT or vPvb / CMR.

12.6 Other adverse effects

No additional data available.

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

The containers used for this product must completely empty before disposal. Dispose product and/or contaminated packaging in accordance with federal, state and local environmental control regulations - disposal through the waste water is illegal.

14. TRANSPORT INFORMATION

14.1	UN number	
	UN No. Road	1169
	UN No. SEA	1169
	UN No. AIR	1169

14.2 UN proper shipping name

Extracts, aromatic, liquid

14.3 Transport hazard class(es)

ADR/RID/ADN – Class 3 ADR/RID/ADN – Class 3 IMDG – Class 3 ICAO – Class 3

Transport Labels



14.4 Packing group

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

14.5 Environmental hazards

Environmentally Hazardous Substance/Marine Pollutant





14.6 Special precautions for user

None.

14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC code

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15. REGULATORY INFORMATION

15.1 Safety, health and environmental 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.

16. OTHER INFORMATION

Hazard and in Full	H226 Flammable liquid and vapour.
	H302 Harmful if swallowed.
	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.
	H400 Very toxic to aquatic life.
	H410 very toxic to aquatic life with long lasting effects.
Revision Date	03/01/2020
Rev No/Repl, SDS Generated	5

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Product Name	Organic Bergamot FCF			
Date 08/01/2020	Product Code		Rev	6
Description	Citrus Bergamia Peel Oil Expressed is an essential oil expressed from the epicarps of the Bergamot, citrus bergamia risso, Rutaceae			
Appearance	Liquid, Yellow			
Odour	Characteristic			
Origin	Italy			
INCI Name	Citrus Bergamia Peel Oil			
CAS Number	89957-91-5	EC Number	289-6	12-9

TEST SPECIFICATION

Analytical Test	Specification Range
Specific Gravity @ 20°C (g/ml)	0.863 - 0.873
Refractive Index @ 20°C	1.458 - 1.468
Optical Rotation (°)	+20.0 to + 40.0
Peroxides (mmol/l)	≤ 20.0

STORAGE

Store in a cool, dry, well-ventilated place. Keep away from heat and sunlight.

STABILITY

If stored for twenty-four months, check quality of product before use.

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.

Please note as this is a wholly natural material some parameters, in particular, appearance, colour and odour, may change due to natural variation and climate change. This in no way affects the quality and efficacy of the product.



Vegetarian & Vegan Suitability Statement

PRODUCT NAME: Bergamot Organic

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.

28/06/19