

Supplier: Pieni tuoksukauppa /Tmi Saara Kuha
04430 Järvenpää
www.tuoksukauppa.net
tuoksukauppa@gmail.com

Original supplier: Madar Corporation Ltd

Certificate of Analysis

Product: Bergamot Sicillian Essential Oil, FCF
Product INCI: CITRUS AURANTIUM BERGAMIA FRUIT OIL
CAS No.: 89957-91-5
EINECS No.: 289-612-9

ANALYTICAL DETAILS	RANGE	RESULTS
APPEARANCE	LIQUID	
COLOUR	PALE YELLOW - YELLOW	
ODOUR	CITRUS BERGAMOT	
SPECIFIC GRAVITY @ 20°C	0.870 – 0.888	0.8722
REFRACTIVE INDEX @ 20°C	1.460 – 1.470	1.4602
OPTICAL ROTATION (°C)	-15.0 TO +35.0	+21.0

Legal disclaimer:

The information provided in this Certificate of Analysis is supplied to MADAR Corporation Limited by the manufacturer of the product and is correct to the best of our knowledge at the time of publication. It is given in good faith but no warranty is implied with respect to the quality and specification of the product. The information given only describes the parameters of the product with regard to the batch no. stated and is not to be considered as a warranty or quality specification, and does not constitute a legal relationship. The information contained in this Certificate of Analysis relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

ALLERGEN DECLARATION

Product: Bergamot FCF(Furocoumarin Free) Essential Oil

INCI: Citrus Aurantium Bergamia Fruit Oil

COSMETIC ALLERGENS			
The following is from the 7 th amendment of the cosmetic directive of the European Union Annexiii.			
Annex IIIa reference		CAS Number	Total Allergen Inclusion %
67	Amyl cinnamal	122-40-7	0.00
68	Benzyl alcohol	100-51-6	0.00
69	Cinnamyl alcohol	104-54-1	0.00
70	Citral	5392-40-5	0.00
71	Eugenol	97-53-0	0.00
72	Hydroxy-citronellal	107-75-5	0.00
73	Isoeugenol	97-54-1	0.00
74	Amylcinnamyl alcohol	101-85-9	0.00
75	Benzyl salicylate	118-58-1	0.00
76	Cinnamal	104-55-2	0.00
77	Coumarin	91-64-5	0.00
78	Geraniol	106-24-1	0.00
79	Hydroxy-methylpentylcyclohexenecarboxaldehyd	31906-04-4	0.00
80	Anisyl alcohol	105-13-5	0.00
81	Benzyl cinnamate	103-41-3	0.00
82	Farnesol	4602-84-0	0.00
83	Butylphenyl Methylpropanol	80-54-6	0.00
84	Linalool	78-70-6	15.00
85	Benzyl benzoate	120-51-4	0.00
86	Citronellol	106-22-9	0.00
87	Hexyl cinnam-aldehyd	101-86-0	0.00
88	Limonene	5989-27-5	45.00
89	Methyl heptin carbonate	111-12-6	0.00
90	Alpha-Isomethyl Ionone	127-51-5	0.00
91	Oak Moss Extracts (Evermia Prunastri Extract)	90028-68-5	0.00
92	Tree Moss Extracts (Evermia Furfuracea extract)	90028-67-4	0.00

FOOD ALLERGENS

The following is from the commission directive 2007/68/EC of 27th November 2007 amending annex IIIa to Directive 2000/13/EC of the European Parliament & Council with regards to specific food ingredients.

Annex IIIa reference		Present in Product	Contamination Presence	Factory Presence
1	Cereals (Containing Gluten)	No	No	Yes
2	Crustaceans	No	No	No
3	Eggs	No	No	No
4	Fish	No	No	No
5	Peanuts	No	No	Yes
6	Soya	No	No	Yes
7	Milk	No	No	Yes
8	Nuts	No	No	Yes
9	Celery & celeriac	No	No	Yes
10	Mustard	No	No	Yes
11	Sesame	No	No	Yes
12	Sulphur Dioxide & Sulphates	No	No	No
13	Lupin	No	No	No
14	Mollusc	No	No	No

This product is food grade.

January 2020

MANUFACTURING FLOW CHART

TRADE NAME:

Bergamot, Essential Oil FCF (Furocoumarins Free)

Synonyms:

Bergamot, Essential Oil FCF (Furocoumarins Free)

INCI name:

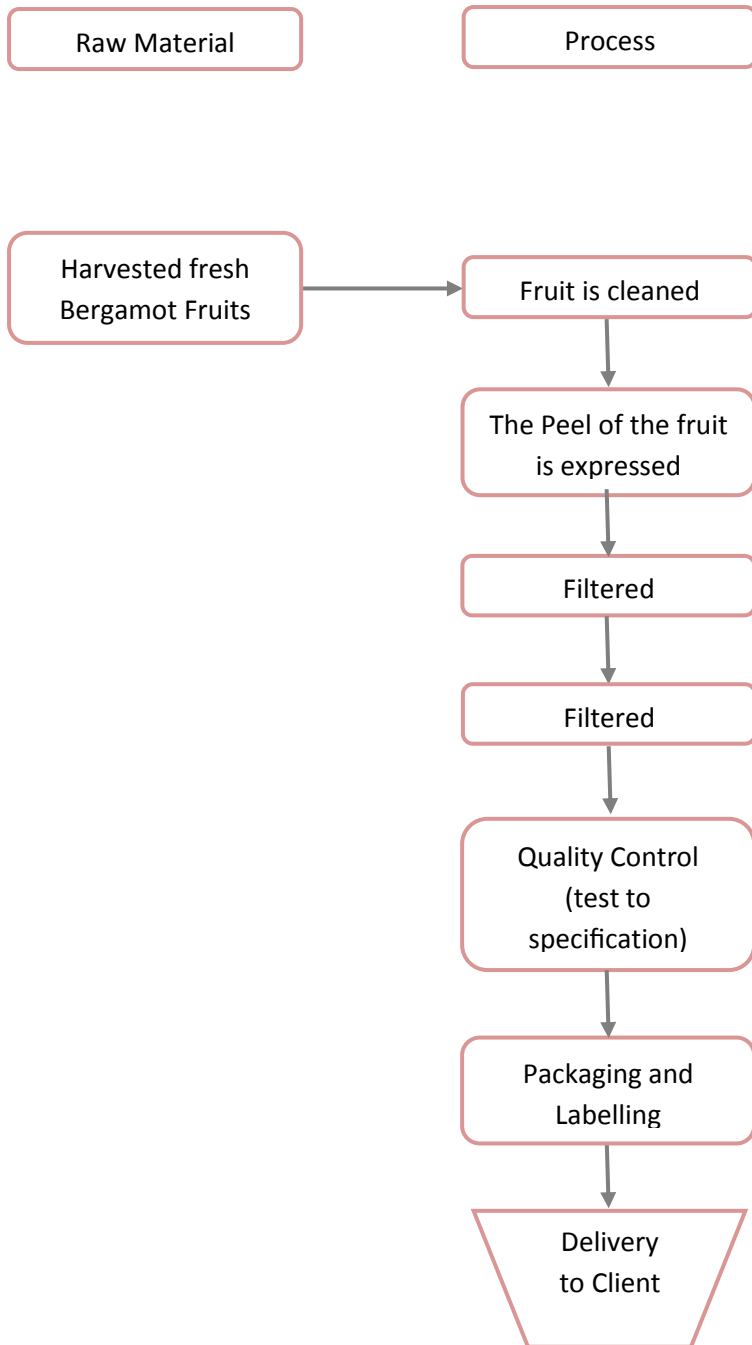
Citrus Aurantium Bergamia Fruit Oil

REACH Registered No.

Exemption under Annex V.

CAS No. 89957-91-5

EINECS No. 289-612-9



GMO STATEMENT

Product: Pearl Bergamot, Essential Oil FCF (FUROCOUMARINS FREE)

Bergamot, Essential Oil FCF (FUROCOUMARINS FREE) which is supplied by MADAR Corporation Limited is produced from raw materials, using no materials of animal or vegetable origin. No gluten-containing raw materials or processing aids are used in the manufacture of Pearl Natural Oils Bergamot, Essential Oil FCF (FUROCOUMARINS FREE). Natural Oils Bergamot, Essential Oil FCF (FUROCOUMARINS FREE) does not contain any GMO (Genetically Modified Organism) material and do not contain detectable levels of genetically modified materials, (known as PCR negative).

IFRA STATEMENT

Product: Bergamot Sicilian Essential Oil FCF (Furocoumarins Free)
Product INCI: Citrus Aurantium Bergamia Fruit Oil
CAS No.: 89957-91-5
EINECS No.: 289-612-9
Manufacturing Method: Expression

MADAR Corporation Ltd certify that the above mentioned material conforms to the IFRA 49 code of practice and contains the following restricted components that are listed in the 49th amendment of the IFRA code of practice:

Restricted Component	CAS Number	% Level in product	IFRA Standard
Limonene	5989-27-5	≤ 45.0	Specification STD
Linalool	78-70-6	≤ 15.0	Specification STD
Citral	5392-40-5	≤ 1.50	Restriction STDS (QRA cat.)
Citronellol	106-22-9	≤ 0.03	Restriction STDS (QRA cat.)
Bergaptene	-	≤ 0.0005	Restriction STDS (QRA cat.)

Additional comments: According to Cosmetic Regulation (EC) No 1223/2009 Annex II furocoumarins (e.g. trioxysalen (INN), 8-methoxypsoralen, 5-methoxypsoralen) are prohibited for use in cosmetic products except for normal content in natural essences used. In sun protection and in bronzing products, furocoumarins shall be below 1mg/kg (1ppm).

IFRA Category	% Maximum Use Level
IFRA Category 1	28.22
IFRA Category 2	8.211
IFRA Category 3 A, B, C, D	25.66
IFRA Category 4 A, B, C, D	Not Restricted
IFRA Category 5	38.49
IFRA Category 6	89.81
IFRA Category 7A	51.32
IFRA Category 7B	51.32
IFRA Category 8 A, B	13.08
IFRA Category 9 A, B, C	Not Restricted
IFRA Category 10 A, B	Not Restricted
IFRA Category 11 A	13.09
IFRA Category 11 B	13.09
IFRA Category 12	Not Restricted

Category 1	Lip Products of all types (solid and liquid lipsticks, balms, clear or coloured, etc.). Children's toys.	Yes	Applicable (leave-on products)
Category 2	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-on, under-arm, deo-cologne, etc.). Body sprays (including body mist)	No	Applicable (leave-on products)
Category 3	Eye products of all types (eye shadow, mascara, eyeliner, eye make-up, eye masks, eye pillows, etc.) including eye care and moisturizer Facial make up and foundation. Make-up remover for face and eyes. Nose pore strips. Wipes or refreshing tissues for face, neck, hands, body. Body and face paint (for children and adults). Facial masks for face and around the eyes	No	Applicable (leave-on products)
Category 4	Hydro alcoholic and non-hydro alcoholic fine fragrance of all types (Eau de Toilette, Parfum, Cologne, solid perfume, fragrancng 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 hydro alcoholic products	No	Applicable (leave-on products)
Category 5A	Body creams, oils, lotions of all types. Foot care products (creams and powders). Insect repellent (intended to be applied to the skin). All powders and talc (excluding baby powders and talc).	No	Applicable (leave-on products)
Category 5B	Facial toner. Facial moisturizers and creams (women facial creams).	No	Applicable (leave-on products)

Category 5C	Hand cream. Nail care products including cuticle creams, etc. Hand sanitizers	No	Applicable (leave-on products)
Category 5D	Baby cream/lotion, baby oil, baby powders and talc.	No	Applicable (leave-on products)
Category 6	Toothpaste. Mouthwash, including breath sprays. Toothpowder, strips, mouthwash tablets	Yes	Applicable (leave-on products)
Category 7A	Hair permanent or other hair chemical treatments (rinse-off) (e.g. relaxers), including rinse-off hair dyes	No	Applicable (leave-on products)
Category 7B	Hair sprays of all types (pumps, aerosol sprays, etc.). Hair styling aids non-sprays (mousse, gels, leave-on conditioners). Hair permanent or other hair chemical treatments (leave-on) (e.g. relaxers), including leave-on hair dyes. Shampoo - Dry (waterless shampoo). Hair deodorizer	No	Applicable (leave-on products)
Category 8	Intimate wipes. Tampons. Baby wipes. Toilet paper (wet).	No	Applicable (leave-on products)
Category 9	Bar soap. Shampoo of all type. Cleanser for face (rinse-off). Conditioner (rinse-off). Liquid soap. Body washes and shower gels of all types. Baby wash, bath, shampoo. Bath gels, foams, mousses, salts, oils and other products added to bathwater. Foot care products (feet are placed in a bath for soaking). Shaving creams of all types (stick, gels, foams, etc.). All depilatories (including facial) and waxes for mechanical hair removal. Shampoos for pets.	No	Applicable (rinse-off products)
Category 10A	Hand wash laundry detergent (including concentrates). Laundry pre-treatment 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 sprays and wipes, leather cleaning wipes, stain removers, fabric enhancing sprays, treatment products for textiles (e.g. starch sprays, fabric treated with fragrances after wash, deodorizers for textiles or fabrics). Floor wax. Fragranced oil for lamp ring, reed diffusers, pot-pourri, liquid refills for air fresheners (non-cartridge systems), etc. Ironing water (Odorized distilled water).	No	Applicable (rinse-off products)
Category 10B	Animal sprays – sprays applied to animals of all types. Air freshener sprays, manual, including aerosol and pump. Aerosol/spray insecticides	No	Applicable (rinse-off products)

Category 11A	Feminine hygiene conventional pads, liners, interlabial pads. Diapers (baby and adult). Adult incontinence pant, pad. Toilet paper (dry).	No	Not applicable (leave-on products without UV exposure)
Category 11B	Tights with moisturizers. Scented socks, gloves. Facial tissues (dry tissues). Napkins. Paper towels. Wheat bags. Facial masks (paper/protective) e.g. surgical masks not used as medical device. Fertilizers, solid (pellet or powder).	No	Applicable (leave-on products)
Category 12	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 metered doses (range 0.05-0.5mL/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. Deodorizers/maskers not intended for skin contact (e.g. fabric drying machine deodorizers, carpet powders). Fuels. Insecticides (e.g. mosquito coil, paper, electrical, for clothing) excluding aerosols/sprays. Joss sticks or incense sticks. Dish wash detergent and deodorizers – for machine wash. Olfactive board games. Paints. Plastic articles (excluding toys). Scratch and sniff. Scent pack. Scent delivery system (using dry air technology). Shoe polishes. Rim blocks (Toilet).	No	Not applicable (non-skin contact products)

The content of this data sheet is given in good faith and without warranty.

January 2021

DATE : 01/04/20

SHEET 1 of 9

Bergamot, Essential Oil FCF (Furocoumarins Free)

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY NAME

1.1 TRADE NAME:

BERGAMOT, ESSENTIAL OIL FCF (FUROCOUMARINS FREE)

Synonyms:

INCI name:

CITRUS AURANTIUM BERGAMIA FRUIT OIL

REACH Registered No.

Exemption under Annex V.

CAS No. 89957-91-5

EC No. 289-612-9

EINECS No. 289-612-9

1.2 RELEVANT IDENTIFIED USES OF THE SUBSTANCE OR MIXTURE

USES ADVISED AGAINST

No data available.

1.3 DETAILS OF THE SUPPLIER:

Madar Corporation Limited

19 - 20 Sandleheath Industrial Estate

Fordingbridge

SP6 1PA

Tel. +44 (0)1425 655 555

e-mail: technical@madarcorporation.co.uk

2. HAZARDS IDENTIFICATION

2.1 CLASSIFICATION OF THE SUBSTANCE OR MIXTURE:

Flammable Liquid, Hazard Category 3. Skin Corrosion / Irritation Category 2. Eye Damage / Irritation Category 2.

Sensitization - Skin Category 1. Aspiration Hazard Category 1. Hazardous To The Aquatic Environment - Acute Hazard Category 1. Hazardous To The Aquatic Environment - Long-Term Hazard Category 1.

H226, Flammable Liquid And Vapour.

H304, May Be Fatal If Swallowed And Enters Airways.

H315, Causes Skin Irritation.

H317, May Cause An Allergic Skin Reaction.

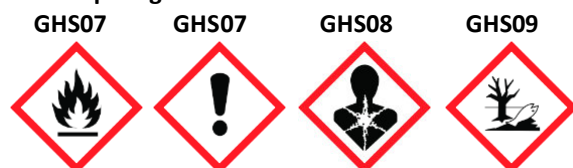
H319, Causes Serious Eye Irritation.

2.2. LABEL ELEMENTS:

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

Contains: 601-029-00-7 (R)-P-MENTHA-1,8-DIENE EC 207-431-5 EUCALYPTOL.

Hazard pictograms:



Signal words: Danger.

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Bergamot, Essential Oil FCF (Furocoumarins Free)

Hazard statements:

H226, flammable liquid and vapour.

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.

H410, very toxic to aquatic life with long lasting effects.

Precautionary Statements:

P210, keep away from heat, sparks, open flames and hot surfaces. - no smoking.

P233, keep container tightly closed.

P240, ground/bond container and receiving equipment.

P241, use explosion-proof electrical, ventilating and lighting equipment.

P242, use only non-sparking tools.

P243, take precautionary measures against static discharge.

P261, avoid breathing vapour or dust.

P264, wash hands and other contacted skin thoroughly after handling.

P272, contaminated work clothing should not be allowed out of the workplace.

P273, avoid release to the environment.

P280, wear protective gloves/eye protection/face protection.

P301/310, if swallowed: immediately call a poison center or doctor/physician.

P303/361/353, if on skin (or hair): remove/take off immediately all contaminated clothing. Rinse skin with Water/shower.

P305/351/338, if in eyes: rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P331, do not induce vomiting.

P333/313, if skin irritation or rash occurs: get medical advice/attention.

P337/313, if eye irritation persists: get medical advice/attention.

P362, take off contaminated clothing and wash before reuse.

P370/378, in case of fire: use carbon dioxide, dry chemical, foam for extinction.

P391, collect spillage.

P403/235, store in a well-ventilated place. Keep cool.

P405, store locked up.

P501, dispose of contents/container to approved disposal site, in accordance with local regulations.

2.3 OTHER HAZARDS:

Adverse Physio-chemical Properties:

No data available.

Adverse Effects on Human Health:

No data available.

PBT or VPVB According to Annex xiii:

No data available.

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Bergamot, Essential Oil FCF (Furocoumarins Free)

3. COMPOSITION/INFORMATION ON INGREDIENTS**3.1. SUBSTANCES:**

Not applicable

3.2 MIXTURES:

Mixtures:	Cas No	EINECS No:	CLASSIFICATION (EC 1272/2008)
38.3% LINALYL ACETATE	115-95-7	204-116-4	SKIN IRRIT. 2, H315; EYE IRRIT. 2, H319
≤ 45.0% LIMONENE	5989-27-5	227-813-5	FLAM. LIQ. 3 - H226, SKIN IRRIT. 2 - H315, SKIN SENS. 1 - H317, ASP. TOX. 1 - H304, AQUATIC ACUTE 1 - H400, AQUATIC CHRONIC 1 - H410
<15% LINALOOL	78-70-6	201-134-4	ACUTE TOX. 5 H303, SKIN IRRIT. 2 - H315, AQUATIC ACUTE 3 - H402
7.58% B-PINENE	127-91-3	20-872-5	FLAM. LIQ. 3 - H226, ASP. TOX. 1 - H304, SKIN IRRIT. 2 - H315, SKIN SENS. 1 - H317
7.56% Γ-TERPINENE (P-MENTHA-1,4-DIENE)	99-85-4	202-794-6	FLAM. LIQ. 3 – H226, ASP TOX. 1 –H304;
1.89% A-PINENE	80-56-8	201-291-9	FLAM. LIQ. 3, H226; ASP. TOX. 1, H304; SKIN SENS.1, H317; AQUATIC ACUTE 1, AQUATIC CHRONIC 1, H410
1.14% MYRCENE	123-35-3	204-622-5	FLAM. LIQ. 3 - H226, ASP. TOX. 1 - H304, AQUATIC CHRONIC 3 - H412
1.5% CITRAL	5392-40-5	226-394-6	SKIN IRRIT. 2 - H315, EYE IRRIT. 2 - H319, SKIN SENS. 1 - H317
0.56% GERANYLACETATE	105-87-3	203-341-5	AQUATIC CHRONIC 2 - H411
0.41% BETA CARYOPHYLLENE	87-44-5	201-746-1	ASP. TOX. 1 - H304
0.22% P-MENTHA-1,3-DIENE	99-86-5	202-795-1	ASP. TOX. 1, H304, ACUTE TOX. 4, H302, AQUATIC CHRONIC 2, H411, FLAM. LIQ. 3, H226
0.22% P-CYMENE	99-87-6	202-796-7	FLAM. LIQ. 3 - H226, ASP. TOX. 1 - H304, ACUTE TOX. 5 - H303, AQUATIC CHRONIC 2, H411, SKIN IRRIT. 3 -H316
0.17% D,L-LIMONENE (ISOMER UNSPECIFIED)	7705-14-8	231-732-0	FLAM. LIQ. 3 - H226, ASP. TOX. 1 - H304, SKIN IRRIT. 2 - H315, SKIN SENS. 1 - H317, AQUATIC CHRONIC 1, H410

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Bergamot, Essential Oil FCF (Furocoumarins Free)

4. FIRST AID MEASURES

4.1. DESCRIPTION OF FIRST AID MEASURES:

General Information:

Always remove contaminated clothing immediately.

Eye contact:

Flush immediately with water for at least 15 minutes. Contact physician if symptoms persist

Skin contact:

Remove contaminated clothes. Wash thoroughly with soap and water. Contact physician if irritation persists

Ingestion:

Get medical attention immediately. Immediately call the doctor. Rinse mouth with water and obtain medical attention.

Inhalation:

Get medical attention immediately. Immediately call the doctor. Rinse mouth with water and obtain medical attention.

4.2 MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED:

May be fatal if swallowed and enters airways.

Causes skin irritation.

May cause an allergic skin reaction.

Causes serious eye irritation.

4.3 INDICATION OF ANY IMMEDIATE/SPECIAL TREATMENT NEEDED:

None expected, see section 4.1 for further information.

5. FIRE FIGHTING MEASURES

5.1 EXTINGUISHING MEDIA:

Suitable extinguishing media:

Foam, Co2, Dry Chemical Powder.

5.2 SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE:

Burning produces irritating, toxic and obnoxious fumes

5.3 PROTECTION FOR FIRE-FIGHTERS:

Special protective equipment for fire-fighters: wear positive-pressure self-contained breathing apparatus (scba) and appropriate protective clothing.

6. ACCIDENTAL RELEASE MEASURES

6.1 PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES:

Ensure adequate ventilation of the working area, evacuate personnel to safe area, wear suitable protective equipment. No smoking, sparks, flames or other sources of ignition near spillage. Avoid contact with skin, eyes and clothing. Avoid inhalation.

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 MATERIALS FOR CONTAINMENT AND CLEANING UP:

Remove ignition sources. Provide adequate ventilation. Avoid excessive inhalation of vapours. Contain spillage immediately by use of sand or inert powder. Dispose of according to local regulations. Cover with an inert, inorganic, non-combustible absorbent material (e.g dry-lime, sand, soda ash).

6.4 REFERENCE TO OTHER SECTIONS:

Refer & consider section 13.

Refer & consider section 8

7. HANDLING AND STORAGE

7.1 PRECAUTIONS FOR SAFE HANDLING:

Advice for safe handling:

Handle in accordance with good hygiene and safety practice. Keep away from heat, sparks, open flames and hot surfaces. - no smoking. Use personal protective equipment as required. Use in accordance with good manufacturing and industrial hygiene practices. Use in areas with adequate ventilation do not eat, drink or smoke when using this product.

7.2 CONDITIONS FOR SAFE STORAGE:

Keep the product container tightly closed, in a dry, ventilated area. Keep away from potential sources of ignition and protected from light. Maintain limited contact with oxygen.

7.3 SPECIFIC END USES:

Flavours, fragrances: use in accordance with good manufacturing and industrial hygiene practices

8. EXPOSURE CONTROL/PERSONAL PROTECTION

8.1 CONTROL PARAMETERS:

No additional data available.

8.2 EXPOSURE CONTROLS:

Appropriate engineering controls:

None.

Personal protective equipment:

Eye protection:

Wear protective gloves/eye protection/face protection.

Hand Protection:

Wear protective gloves/eye protection/face protection.

Skin protection:

Wear protective clothing to reduce the risk of skin and eye contact.

Respiratory protection:

Under normal conditions of use and where adequate ventilation is available to prevent build-up of excessive vapour, this material should not require special engineering controls. However, in conditions of high or prolonged use, or high temperature or other conditions which increase exposure, the following engineering controls can be used to minimise exposure to personnel: a) increase ventilation of the area with local exhaust ventilation. B) personnel can use an approved, appropriately fitted respirator with organic vapour cartridge or canisters and particulate filters. C) use closed systems for transferring and processing this material. Also refer to sections 2 and 7.

Hygiene measures:

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

Personal protection:

Avoid inhalation of the product. Avoid contact with skin and eyes.

Other:

Wear suitable protection to avoid contact with skin and eyes. Do not inhale vapours.

Process conditions:

Ensure area is well ventilated. Avoid vapour inhalation. Safety shower & eye bath.

Environmental exposure controls:

Avoid discharging into drainage water.

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Bergamot, Essential Oil FCF (Furocoumarins Free)

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE:	Liquid
COLOUR:	Colourless, Pale Yellow
ODOUR:	Characteristic – Citrus, Bergamot
FLASH POINT (°C):	54.
RELATIVE DENSITY @ 20°C:	0.870 to 0.888
REFRACTIVE INDEX @ 20°C:	Approx 1.40
SOLUBILITY IN WATER @ 20°C:	Insoluble in water.

10. STABILITY AND REACTIVITY

10.1 REACTIVITY:

No data available.

10.2 CHEMICAL STABILITY:

Stable under recommended storage and handling conditions (See section 7).

10.3 HAZARDOUS REACTIONS:

None under normal processing.

10.4 CONDITIONS TO AVOID:

Storage at high temperatures. Do not store above 15°C. Avoid heat, flames and other sources of ignition

10.5 MATERIALS TO AVOID:

Oxidising agents. Concentrated Acids. Alkalis.

10.6 HAZARDOUS DECOMPOSITION PRODUCTS:

This product does not decompose under normal conditions. Under fire conditions the product will produce a mixture of irritating fumes & smoke & carbon monoxide.

11. TOXICOLOGICAL INFORMATION

11.1 INFORMATION ON TOXICOLOGICAL EFFECTS:

Acute Toxicity:

Assumed toxicity value (ld50 or ate) for acute oral toxicity: 13396.24

Assumed toxicity value (ld50 or ate) for acute dermal toxicity: 207373.27

Assumed toxicity value (lc50 or ate) for acute inhalation toxicity: n/a

Inhalation route: n/a

Oral:

No data available.

Dermal:

No data available.

Skin:

Causes skin irritation (H315).

Eye contact:

May cause eye irritation.

Respiratory or skin sensitivity:

On ingestion: there may be soreness and redness of the mouth and throat. Nausea and stomach pain may occur. There may be vomiting.

Germ cell mutagenicity:

No data available.

Reproduction toxicity:

No data available.

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Bergamot, Essential Oil FCF (Furocoumarins Free)

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Carcinogenicity:

No data available.

STOT-single exposure:

No data available.

STOT-repeated exposure:

No data available.

Aspiration hazard:

Fatal if swallowed and enters airways.

12. ECOLOGICAL INFORMATION

12.1 TOXICITY:

Harmful to aquatic life with long lasting effects.

12.2 PERSISTENCE AND DEGRADABILITY:

No data available.

12.3 BIOACCUMULATIVE POTENTIAL:

None.

12.4 MOBILITY IN SOIL:

None.

12.5 RESULTS OF PBT and vPvB ASSESSMENT:

This substance does not meet the pbt/vpvb criteria of reach, annex xiii.

12.6 OTHER ADVERSE EFFECTS:

Do not allow product to enter streams, sewers or other waterways.

13. DISPOSAL CONSIDERATIONS

13.1 WASTE TREATMENT METHODS:

Always recover spilled product. Discard waste material with authorized waste management services. Act in accordance with local & national waste regulations.

14. TRANSPORT INFORMATION

14.1 TRANSPORT INFORMATION:

UN number:

ROAD: 1169 SEA: 1169 AIR: 1169

14.2 TRANSPORT IMDG:

EXTRACTS, AROMATIC, LIQUID.

14.3 TRANSPORT ICAO-TI/IATA:

ADR/RID/ADN class: 3 flammable liquid. IMDG class: 3 flammable liquid. ICAO class/division: 3 flammable liquid.



Transport labels

14.4 OTHER INFORMATION:

ADR/RID/ADN packing group iii IMDG packing group iii ICAO packing group iii

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Bergamot, Essential Oil FCF (Furocoumarins Free)

14.5 ENVIRONMENTAL HAZARDS:

Environmentally hazardous substance/marine pollutant.



14.6 SPECIAL PRECAUTIONS FOR USER:

See sections 6 to 8.

14.7 TRANSPORT IN BULK ACCORDING TO ANNEXII OF MARPOL AND THE IBC CODE:

Not relevant.

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 18th December 2006. Concerning the registration, evaluation, authorization & restriction of chemicals (REACH), establishing a European Chemicals Agency, amending Directive 199/45/EC and repealing council regulation (EEC) No793/93 & commission regulation (EC) No1488/94 as well as council directive 76/769/EEC & commission directive 91/155/ECC, 93/67/ECC, 93/105/EEC & 2000/21/EC (including amendments).

Statutory Instruments:

The Chemicals (Hazard Information & Packaging for Supply Regulations 2009 (S.I.2009 No 716).

Approved Code of Practice:

Classification & labelling of substances & preparations dangerous for supply. Safety data sheets for substances & preparations.

Guidance Notes:

Workplace exposure limits EH40. CHIP for everyone HSG 108.

15.2 CHEMICAL SAFETY ASSESSMENT:

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16. OTHER INFORMATION

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.

H410 very toxic to aquatic life with long lasting effects.

H411 toxic to aquatic life with long lasting effects.

H412 harmful to aquatic life with long lasting effects.

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Legal disclaimer:

The information provided in this safety data sheet is correct to the best of our knowledge at the time of publication. It is given in good faith but no warranty is implied with respect to the quality and specification of the product. The information given only describes the products with regard to safety arrangements and is not to be considered as a warranty or quality specification and does not constitute a legal relationship. The information contained in this Safety Data Sheet relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

The customer must satisfy themselves that the product is entirely suitable for their own purposes.

Although certain hazards may be described we cannot predict that these are the only hazards, or combination of hazards, that may exist in a workplace. This MSDS, therefore, forms a component only of a risk assessment carried out by, or on behalf of, the user.

BERGAMOT ESSENTIAL OIL

Technical Data

Appearance	Liquid
Colour	Pale Yellow, Yellow
Odour	Citrus Bergamot
Specific Gravity	0.870 – 0.888 @ 20°C
Refractive Index	1.460 – 1.470@ 20°C
Optical Rotation (°C)	-15.0 TO +35.0
CAS No.	89957-91-5
EINECS No.	289-612-9
INCI Name	CITRUS AURANTIUM BERGAMIA FRUIT OIL
Shelf Life	24 months from Manufacture

Extraction Method: Expression

Storage: Store in a cool dry place away from heat & sunlight.

The content of this data sheet is given in good faith and without warranty.

MadarCorporationLimitedmakesthelimited warranty that at the date of delivery this product will be free from defects in materials and workmanship.

No warranty of merchantability, fitness for any use, or any other warranty is expressed or to be implied, regarding the accuracy of this data. The results to be obtained from the use thereof, or the hazards connected with the use of this product.

We assume no liability for any alleged ineffectiveness of the product or any injury or damage, direct or consequential, resulting from the use of this product unless such injury or damage is solely attributable to negligence on the part of MADARCorporationLimited

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DECLARATION AND CONFORMITY VEGAN INGREDIENT STATEMENT

Product: Bergamot, Essential Oil FCF (FUROCOUMARINS FREE)

MADAR Corporation Limited declare that our product is suitable for Vegans.