

MYSTIC MOMENTS

CERTIFICATE OF ANALYSIS

PRODUCT IDENTIFICATION AND COMPOSITION

Product Name: Bug Repellent – Essential Oil Blend
Batch Number: 4556104
Best Before End: September 2027
Country of Manufacture: United Kingdom

PHYSICAL AND CHEMICAL PROPERTIES

TEST	SPECIFICATION	RESULT
Appearance:	Clear to pale yellow mobile liquid	Conforms
Odour:	Characteristic aroma	Conforms

STORAGE CONDITIONS

Stored at temperature <30°C in closed containers and protected from direct sunlight.

ADDITIONAL INFORMATION

DISCLAIMER

The information contained in this Certificate of Analysis is obtained from current and reliable sources. MADAR Corporation Ltd provides the information contained herein in good faith but makes no representation as to its comprehensiveness or accuracy. Individuals receiving this information must exercise their independent judgment in determining its appropriateness for a particular purpose. As the ordinary or otherwise use(s) of this product is outside the control of MADAR Corporation Ltd., no representation or warranty, expressed or implied, is made as to the effect(s) of such use(s), (including damage or injury), or the results obtained. MADAR Corporation Ltd expressly disclaims responsibility as to the ordinary or otherwise use(s). Furthermore, nothing contained herein should be considered as a recommendation by MADAR Corporation Ltd as to the fitness for any use. The liability of MADAR Corporation Ltd is limited to the value of the goods and does not include any consequential loss. MADAR Corporation Ltd shall not be liable for any errors or delays in the content, or for any actions taken in reliance thereon. MADAR Corporation Ltd shall not be responsible for any damages resulting from use of or reliance upon this information. The user of the product is solely responsible for compliance with all laws and regulations applying to the use of the products, including intellectual property rights of third parties.

ALLERGEN DECLARATION

We hereby confirm that the following item contains the components listed below. Stated are the total levels added plus levels from natural ingredients. The information is supplied to enable compliance with Cosmetic and Detergent regulations.

Bug Repellent EOB

Ingredient	CAS	EC	Concentration (%)
Camphor	76-22-2	200-945-0	0.15%
Citral	5392-40-5, 141-27-5, 106-26-3		0.05%
Citronellol	106-22-9, 1117-61-9, 26489-01-0, 6812-78-8, 141-25-3, 7540-51-4		2.11%
Eugenol	97-53-0		0.02%
Geraniol	106-24-1		1.79%
Geranyl acetate	105-87-3	203-341-5	0.06%
Limonene	138-86-3, 7705-14-8, 5989-27-5, 5989-54-8	227-815-6, 227-813-5, 231-732-0, 205-341-0	1.764%
Linalool	78-70-6, 126-90-9, 126- 91-0		1.806%
Terpinolene	586-62-9	209-578-0	0.104%
alpha-Pinene	80-56-8	201-291-9	0.87%

Regulatory Affairs Department

CERTIFICATE OF CONFORMITY WITH IFRA STANDARDS

This Certificate assesses the conformity of the fragrance mixture with IFRA Standards and provides restrictions for use as necessary. It is based only on those materials subject to IFRA Standards for the toxicity endpoints described in each Standard.

This Certificate does therefore not replace a comprehensive safety assessment of the fragrance mixture.

CERTIFYING PARTY:

Madar Corporation Limited
19-20 Sandleheath Industrial Estate, Fordingbridge, SP6 1PA

SCOPE OF THE CERTIFICATE:

Bug Repellent EOB

COMPULSORY INFORMATION:

We certify that the above mixture is in compliance with the Standards of the INTERNATIONAL FRAGRANCE ASSOCIATION (IFRA), up to and including the 51st Amendment to the IFRA Code of Practice (published June 2023), provided it is used in the following categories at a maximum concentration level of:

IFRA Categories [see Annex 1 below for details]	Maximum Level of use (%)
IFRA Category 1	43.57%
IFRA Category 2	13.96%
IFRA Category 3	61.45%
IFRA Category 4	Not limited
IFRA Category 5A	67.03%
IFRA Category 5B	43.57%
IFRA Category 5C	52.51%
IFRA Category 5D	14.52%
IFRA Category 6	8.93%
IFRA Category 7A	43.57%
IFRA Category 7B	43.57%
IFRA Category 8	14.52%
IFRA Category 9	Not limited
IFRA Category 10A	61.45%
IFRA Category 10B	Not limited
IFRA Category 11A	14.52%
IFRA Category 11B	14.52%
IFRA Category 12	Not limited

For other kinds of application or use at higher concentration levels, a new evaluation can be needed; please contact Madar Corporation Limited

ADDITIONAL INFORMATION ABOUT INGREDIENTS

Information about presence and concentration of fragrance ingredients subject to IFRA Limits in the fragrance mixture Bug Repellent EOB is as follows:

Materials with an IFRA limit:	CAS number(s):	Concentration (%) in the fragrance mixture
Citral	5392-40-5, 141-27-5, 106-26-3	0.0500%
Citronellol	106-22-9, 1117-61-9, 26489-01-0, 6812-78-8, 141-25-3, 7540-51-4	2.1100%
Citronellyl acetate	150-84-5, 67601-05-2, 141-11-7	0.0500%

Eugenol	97-53-0	0.0200%
Geraniol	106-24-1	1.7900%

Regulatory Affairs Department

ANNEX 1

Below is an extract of information provided by IFRA in relation to types of application present in each IFRA Category. Additional information about IFRA Categories can be found in the Guidance to IFRA Standards, issued by IFRA.

IFRA Category	Product Type
IFRA Category 1	Lip Products of all types (solid and liquid lipsticks, balms, clear or colored, etc.); Childrens toys
IFRA 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)
IFRA 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
IFRA Category 4	Hydroalcoholic and nonhydroalcoholic fine fragrance of all types (Eau de Toilette, Parfum, Cologne, solid perfume, fragrancing cream, etc.), aftershaves of all types (except creams and balms); Fragranced bracelets; Ingredients of perfume kits and fragrance mixtures for cosmetic kits; Scent pads, foil packs; Scent strips for hydroalcoholic products
IFRA 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)
IFRA Category 5B	Facial toner; Facial moisturizers and creams (including care products for beard and mustache)
IFRA Category 5C	Hand cream; Nail care products including cuticle creams, nail lacquer remover, etc.; Hand sanitizers
IFRA Category 5D	Baby cream/lotion, baby oil, baby powders and talc
IFRA Category 6	Toothpaste; Mouthwash, including breath sprays; Toothpowder, strips, mouthwash tablets
IFRA Category 7A	Hair permanent or other hair chemical treatments (rinse-off) (e.g., relaxers), including rinse-off hair dyes
IFRA 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, hair perfume
IFRA Category 8	Intimate wipes; Intimate deodorant spray; Tampons; Baby wipes; Toilet paper (wet)
IFRA Category 9	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 wash, bath, shampoo; Bath gels, foams, mousses, salts, oils and other products added to bathwater (such as bath bombs); 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
IFRA 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; Toilet seat wipes; Fabric softeners of all types excluding 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); Dry cleaning kits (involving manual application on the textile)
IFRA Category 10B	Animal sprays – sprays applied to animals of all types; Air freshener sprays, manual, including aerosol and pump; Aerosol/spray insecticides
IFRA Category 11A	Feminine hygiene conventional pads, liners, interlabial pads; Baby diapers; Incontinence pant, pad; Toilet paper (dry)
IFRA Category 11B	Tights with moisturizers; Scented socks, gloves; Facial tissues (dry tissues); Napkins; Pillow spray; Paper towels; Wheat bags; Facial masks (paper/protective) e.g., surgical masks not used as medical device; Fertilizers, solid (pellet or powder)
IFRA 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, solid non aerosol car diffuser); Air delivery systems; Cat litter; Cell phone cases; Deodorizers/maskers not intended for skin contact (e.g., fabric drying machine deodorizers, carpet powders); Dry cleaning kits (placed in the dryer); Dryer sheets and fabric softener sheets; Fuels; Insecticides (e.g., mosquito coil, paper, electrical, for clothing) excluding aerosols/sprays; Joss sticks or incense sticks; Dishwash 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); Toilet gel; Scent beads

SAFETY DATA SHEET

In accordance with REACH Regulation EC No.1907/2006

Product: Bug Repellent EOB

Version: 1

Section 1. Identification of the substance or the mixture and of the supplier

1.1 Product Identifier

Product identifier: Bug Repellent EOB (Contains:CITRONELLA JAVA, Lemongrass Oil Cochin Natural, Thymol, p-Cymene)

Other identifiers: None

1.2 Relevant identified uses of the substance of mixture and uses advised against

Product uses: Essential Oil

1.3 Details of the supplier of the safety data sheet

Company name: Madar Corporation Limited

Company address: 19-20 Sandleheath Industrial Estate, Fordingbridge, Hampshire, SP6 1PA

Contact: Madar Corporation Limited

E-Mail address: technical@madarcorporation.co.uk

Company phone: 01425 655555

1.4 Emergency telephone number

Emergency phone: 01425 655555

Section 2. Hazards identification

2.1 Classification of the substance or mixture

Classification under Regulation (EC) No 1272/2008

Class and category of danger: Flammable Liquid, Hazard Category 3
Skin Corrosion / Irritation Category 1B
Eye Damage / Irritation Category 1
Sensitization - Skin Category 1
Toxic to Reproduction Category 2
Aspiration Hazard Category 1
Hazardous to the Aquatic Environment - Acute Hazard Category 1
Hazardous to the Aquatic Environment - Long-term Hazard Category 2
H226, Flammable liquid and vapour.
H304, May be fatal if swallowed and enters airways.
H314, Causes severe skin burns and eye damage.
H317, May cause an allergic skin reaction.
H361, Suspected of damaging fertility or the unborn child (exposure route).
H400, Very toxic to aquatic life.
H411, Toxic to aquatic life with long lasting effects.

SAFETY DATA SHEET

In accordance with REACH Regulation EC No.1907/2006

Product: Bug Repellent EOB

Version: 1

2.2 Label elements

Classification under Regulation (EC) No 1272/2008

Signal word: Danger

Hazard statements: H226, Flammable liquid and vapour.
 H304, May be fatal if swallowed and enters airways.
 H314, Causes severe skin burns and eye damage.
 H317, May cause an allergic skin reaction.
 H361, Suspected of damaging fertility or the unborn child (exposure route).
 H400, Very toxic to aquatic life.
 H411, Toxic to aquatic life with long lasting effects.

Supplemental Information: EUH208, Contains 1-Octen-3-ol, Carvacrol, Citronellyl formate, Citronellyl tiglate, Eucalyptol, Geraniol, Geranyl formate, Linalool, Menthone, Nerol, Terpinolene, alpha-Pinene, beta-Caryophyllene, beta-Pinene, d,l-Isomenthone, l-Citronellol, l-Limonene. May produce an allergic reaction.

Precautionary statements: P101, If medical advice is needed, have product container or label at hand.
 P102, Keep out of reach of children.
 P202, Do not handle until all safety precautions have been read and understood.
 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.
 P260, Do not breathe 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.
 P301/330/331, If swallowed: Rinse mouth. Do not induce vomiting.
 P303/361/353, IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower.
 P304/340, IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
 P305/351/338, IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P308/313, IF exposed or concerned: Get medical advice/attention.
 P310, Immediately call a POISON CENTER or doctor/physician.
 P331, Do not induce vomiting.
 P333/313, If skin irritation or rash occurs: Get medical advice/attention.
 P363, Wash contaminated clothing before reuse.

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Product: Bug Repellent EOB

Version: 1

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.

Pictograms:



2.3 Other hazards

Other hazards: Sensitisers declared on a CLP Hazard Label: 1-Octen-3-ol, Carvacrol, Citronellyl formate, Citronellyl tiglate, Eucalyptol, Geraniol, Geranyl formate, Linalool, Menthone, Nerol, Terpinolene, alpha-Pinene, beta-Caryophyllene, beta-Pinene, d,l-Isomenthone, l-Citronellol, l-Limonene

Hydrocarbon Concentration %: 43.1740%

Section 3. Composition / information on ingredients

3.2 Mixtures

Contains:

Name	CAS	EC	REACH Registration No.	%	Classification for (CLP) 1272/2008	Specific Conc. Limits, M-factors and ATEs
CITRONELLA JAVA	8000-29-1			25.00%	Skin Irrit. 2-Eye Dam. 1-Skin Sens. 1-Asp. Tox 1-Aquatic Acute 1-Aquatic Chronic 2; H304-H315-H317-H318-H400-H411,-	dermal: ATE = 4230 mg/kg bw-oral: ATE = 4704 mg/kg bw
Lemongrass Oil Cochin Natural				25.00%	Skin Irrit. 2-Eye Dam. 1-Skin Sens. 1-Asp. Tox 1;H304-H315-H317-H318,-	
Eucalyptol	470-82-6	207-431-5		16.10%	Flam. Liq. 3-Skin Sens. 1B;H226-H317,-	oral: ATE = 2480 mg/kg bw
Thymol	89-83-8	201-944-8		9.50%	Acute Tox. 4-Skin Corr. 1B-Eye Dam. 1-Aquatic Chronic 2;H302-H314-H411,-	oral: ATE = 980 mg/kg bw
p-Cymene	99-87-6	202-796-7		4.23%	Flam. Liq. 3-Repr. 2-Asp. Tox 1-Aquatic Chronic 2;H226-H304-H361-H411,-	oral: ATE = 4750 mg/kg bw
p-Mentha-1,4-diene	99-85-4	202-794-6		2.18%	Flam. Liq. 3-Repr. 2-Asp. Tox 1;H226-H304-H361,-	oral: ATE = 3850 mg/kg bw

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I-Citronellol	7540-51-4	231-415-7		2.11%	Skin Irrit. 2-Eye Irrit. 2-Skin Sens. 1B;H315-H317-H319,-	dermal: ATE = 2650 mg/kg bw-oral: ATE = 3450 mg/kg bw
Linalool	78-70-6	201-134-4		1.81%	Skin Irrit. 2-Eye Irrit. 2-Skin Sens. 1B;H315-H317-H319,-	oral: ATE = 2790 mg/kg bw
Geraniol	106-24-1	203-377-1		1.79%	Skin Irrit. 2-Eye Dam. 1-Skin Sens. 1;H315-H317-H318,-	oral: ATE = 3600 mg/kg bw
l-Limonene	5989-54-8	227-815-6		1.76%	Flam. Liq. 3-Skin Irrit. 2-Skin Sens. 1B-Asp. Tox 1-Aquatic Acute 1-Aquatic Chronic 3; H226-H304-H315-H317-H400-H412,-	M = 1
alpha-Pinene	80-56-8	201-291-9		0.87%	Flam. Liq. 3-Acute Tox. 4-Skin Irrit. 2-Skin Sens. 1B-Asp. Tox 1-Aquatic Acute 1-Aquatic Chronic 1; H226-H302-H304-H315-H317-H410,-	M = 1-oral: ATE = 500 mg/kg bw
d,l-Isomenthone	491-07-6	207-727-4		0.81%	Skin Irrit. 2-Skin Sens. 1B;H315-H317,-	oral: ATE = 2500 mg/kg bw
Citronellyl formate	105-85-1	203-338-9		0.79%	Skin Irrit. 2-Skin Sens. 1B;H315-H317,-	
Geranyl formate	105-86-2	203-339-4		0.59%	Skin Sens. 1B-Aquatic Acute 1-Aquatic Chronic 2;H317-H400-H411,-	M = 1
Carvacrol	499-75-2	207-889-6		0.56%	Acute Tox. 4-Skin Irrit. 2-Eye Irrit. 2-Skin Sens. 1B;H302-H315-H317-H319,-	oral: ATE = 810 mg/kg bw
Myrcene	123-35-3	204-622-5		0.48%	Flam. Liq. 3-Skin Irrit. 2-Eye Irrit. 2-Asp. Tox 1-Aquatic Acute 1-Aquatic Chronic 2; H226-H304-H315-H319-H400-H411,-	M = 1
beta-Caryophyllene	87-44-5	201-746-1		0.44%	Skin Sens. 1B-Asp. Tox 1-Aquatic Chronic 4;H304-H317-H413,-	
beta-Pinene	127-91-3	204-872-5		0.19%	Flam. Liq. 3-Skin Irrit. 2-Skin Sens. 1B-Asp. Tox 1-Aquatic Acute 1-Aquatic Chronic 1; H226-H304-H315-H317-H410,-	M = 1
Menthone	10458-14-7	233-944-9		0.16%	Acute Tox. 4-Skin Irrit. 2-Skin Sens. 1B-Aquatic Chronic 3; H302-H315-H317-H412,-	oral: ATE = 500 mg/kg bw
Camphor	76-22-2	200-945-0		0.15%	Flam. Sol. 2-Acute Tox. 4-Acute Tox. 4-Skin Irrit. 2-Eye Dam. 1-STOT SE 2-Aquatic Chronic 2;H228-H302-H315-H318-H332-H371-H411,-	oral: ATE = 1500 mg/kg bw
1-Octen-3-ol	3391-86-4	222-226-0		0.14%	Acute Tox. 3-Acute Tox. 4-Skin Irrit. 2-Eye Irrit. 2-Skin Sens. 1B; H301-H315-H317-H319-H332,-	M = 1-inhalation: ATE = 3.7 mg/l (dusts or mists)-dermal: ATE = 3300 mg/kg bw-oral: ATE = 175 mg/kg bw

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alpha-Phellandrene	99-83-2	202-792-5		0.12%	Flam. Liq. 3-Asp. Tox 1-Aquatic Acute 1-Aquatic Chronic 1; H226-H304-H410,-	M = 1
Camphene	79-92-5	201-234-8		0.11%	Flam. Sol. 2-Aquatic Acute 1-Aquatic Chronic 1;H228-H410,-	M = 1
Terpinolene	586-62-9	209-578-0		0.10%	Flam. Liq. 3-Skin Sens. 1B-Asp. Tox 1-Aquatic Acute 1-Aquatic Chronic 1;H226-H304-H317-H410,-	M = 1-oral: ATE = 3775 mg/kg bw
Nerol	106-25-2	203-378-7		0.10%	Skin Irrit. 2-Eye Irrit. 2-Skin Sens. 1B;H315-H317-H319,-	oral: ATE = 4500 mg/kg bw
Citronellyl tiglate	24717-85-9	246-426-2		0.10%	Skin Sens. 1B-Aquatic Acute 1-Aquatic Chronic 1;H317-H410,-	M = 10
Geranyl butyrate	106-29-6	203-381-3		0.10%	Aquatic Acute 1-Aquatic Chronic 1; H410,-	dermal: ATE = 5000 mg/kg bw
cis-Rose oxide	876-17-5			0.10%	Skin Irrit. 2-Eye Irrit. 2-Repr. 2;H315-H319-H361,-	oral: ATE = 4300 mg/kg bw

Substances with Community workplace exposure limits:

Not Applicable

Substances that are endocrine disruptors according to Regulation (EU) 2017/2100 or Regulation (EU) 2018/605, greater than 0.1%:

Not Applicable

Substances that are persistent, bioaccumulative and toxic or very persistent and very bioaccumulative, greater than 0.1%:

Not Applicable

Section 4. First-aid measures

4.1 Description of first aid measures

- Inhalation:** IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
- Eye exposure:** IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- Skin exposure:** IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower.
- Ingestion:** IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
If swallowed: Rinse mouth. Do not induce vomiting.

4.2 Most important symptoms and effects, both acute and delayed

- May be fatal if swallowed and enters airways.
- Causes severe skin burns and eye damage.
- May cause an allergic skin reaction.

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Suspected of damaging fertility or the unborn child (exposure route).

4.3 Indication of any immediate medical attention and special treatment needed

None expected, see Section 4.1 for further information.

Section 5: Firefighting measures

5.1 Extinguishing media

Suitable media: Carbon dioxide, Dry chemical, Foam.

5.2 Special hazards arising from the substance or mixture

In case of fire, may be liberated: Carbon monoxide, Unidentified organic compounds.

5.3 Advice for fire fighters:

In case of insufficient ventilation, wear suitable respiratory equipment.

Section 6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures:

Avoid inhalation. Avoid contact with skin and eyes. See protective measures under Section 7 and 8.

6.2 Environmental precautions:

Keep away from drains, surface and ground water, and soil.

6.3 Methods and material 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.

6.4 Reference to other sections:

Also refer to sections 8 and 13.

Section 7. Handling and storage

7.1 Precautions for safe handling:

Keep away from heat, sparks, open flames and hot surfaces. - No smoking.

7.2 Conditions for safe storage, including any incompatibilities:

Store in a well-ventilated place. Keep container tightly closed. Keep cool. Ground/bond container and receiving equipment. Use explosion-proof electrical, ventilating and lighting equipment. Use only non-sparking tools. Take precautionary measures against static discharge.

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Version: 1

7.3 Specific end use(s):

Essential Oil: Use in accordance with good manufacturing and industrial hygiene practices.

Section 8. Exposure controls/personal protection

8.1 Control parameters

Workplace exposure limits: Not Applicable

8.2 Exposure Controls

Eye / Skin Protection

Wear protective gloves/eye protection/face protection

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.

Section 9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical State/Colour:	clear yellow
Odour:	Not determined
Odour threshold:	Not determined
Melting point / freezing point:	Not determined
Boiling point or initial boiling point and boiling range:	Not determined
Flammability:	Not determined
Lower and upper explosion limit:	Not determined
Flash point:	< 55.5 °C
Auto-ignition temperature:	Not determined
Decomposition temperature:	Not relevant
pH:	Not determined
Kinematic viscosity:	Not determined
Solubility:	Not determined
Partition coefficient: n-octanol/water (log value):	Not determined
Vapour pressure:	Not determined
Density and/or relative density:	0.891875 - 0.901875
Relative vapour density:	Not determined
Refractive index:	1.47535 - 1.48552
Optical rotation:	-1.48

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Product: Bug Repellent EOB

Version: 1

Particle characteristics: Not determined

9.2 Other information: None available

Section 10. Stability and reactivity

10.1 Reactivity:

Presents no significant reactivity hazard, by itself or in contact with water.

10.2 Chemical stability:

Good stability under normal storage conditions.

10.3 Possibility of hazardous reactions:

Not expected under normal conditions of use.

10.4 Conditions to avoid:

Avoid extreme heat.

10.5 Incompatible materials:

Avoid contact with strong acids, alkalis or oxidising agents.

10.6 Hazardous decomposition products:

Not expected.

Section 11. Toxicological information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

This mixture has not been tested as a whole for health effects. The health effects have been calculated using the methods outlined in Regulation (EC) No 1272/2008 (CLP).

Acute Toxicity:	Based on available data the classification criteria are not met.
Acute Toxicity Oral	3314
Acute Toxicity Dermal	>5000
Acute Toxicity Inhalation	Not Available
Skin corrosion/irritation:	Skin Corrosion / Irritation Category 1B
Serious eye damage/irritation:	Eye Damage / Irritation Category 1
Respiratory or skin sensitisation:	Sensitization - Skin Category 1
Germ cell mutagenicity:	Based on available data the classification criteria are not met.
Carcinogenicity:	Based on available data the classification criteria are not met.
Reproductive toxicity:	Toxic to Reproduction Category 2
STOT-single exposure:	Based on available data the classification criteria are not met.
STOT-repeated exposure:	Based on available data the classification criteria are not met.
Aspiration hazard:	Aspiration Hazard Category 1

Information about hazardous ingredients in the mixture

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Ingredient	CAS	EC	LD50/ATE Oral (mg/kg)	LD50/ATE Dermal (mg/kg)	LC50/ATE Inhalation	LC50 Route
1-Octen-3-ol	3391-86-4	222-226-0	175	3300	3.7	Dust/mist mg/l
Thymol	89-83-8	201-944-8	980	Not available	Not available	Not available

Refer to Sections 2 and 3 for additional information.

11.2 Information on other hazards

Not Applicable

Section 12. Ecological information

12.1 Toxicity:

Very toxic to aquatic life.

Toxic to aquatic life with long lasting effects.

12.2 Persistence and degradability: Not available

12.3 Bioaccumulative potential: Not available

12.4 Mobility in soil: Not available

12.5 Results of PBT and vPvB assessment:

This substance does not meet the PBT/vPvB criteria of REACH, annex XIII.

12.6 Endocrine disrupting properties: Not Applicable

12.7 Other adverse effects: Not available

Section 13. Disposal considerations

13.1 Waste treatment methods:

Dispose of in accordance with local regulations. Avoid disposing into drainage systems and into the environment. Empty containers should be taken to an approved waste handling site for recycling or disposal.

Section 14. Transport information

	14.1 UN number:	14.2 UN Proper Shipping Name:	14.3 Transport hazard class (es):	Sub Risk:	14.4 Packing Group:
UN Model Regulations	UN2920	CORROSIVE LIQUID, FLAMMABLE, N. O.S. (Thymol, Borneol)	8	3	II
IMDG	UN2920	CORROSIVE LIQUID, FLAMMABLE, N. O.S. (Thymol, Borneol, CITRONELLA JAVA) MARINE POLLUTANT	8	3	II
ADR,RID,ADN	UN2920	CORROSIVE LIQUID, FLAMMABLE, N. O.S. (Thymol, Borneol)	8	3	II
ICAO TI	UN2920	CORROSIVE LIQUID, FLAMMABLE, N. O.S. (Thymol, Borneol)	8	3	II

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14.5 Environmental hazards: This is classified as an environmentally hazardous substance under the UN Model Regulations. This is classified as a Marine Pollutant under the IMDG Code.

14.6 Special precautions for user: None additional

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

Not applicable

Section 15. Regulatory information

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

Contains no REACH substances with Annex XVII restrictions.

Contains no substance on the REACH candidate list.

Contains no REACH Annex XV Substances.

Contains no substance subject to Regulation (EU No 649/2012) of the European Parliament and of the council of 4 July 2012 concerning the export and import of hazardous chemicals.

Contains no substance to Regulation (EU) No 2019/1021 of the European Parliament and of the council of 20 June 2019 on persistent organic pollutants.

15.2 Chemical Safety Assessment

A Chemical Safety Assessment has not been carried out for this product.

Section 16. Other information

Concentration % Limits: SCI 1=52.65% SCI 1B=52.65% SCI 1C=52.65% SCI 2=6.56% EDI 1=4.90% EDI 2=1.62% SS 1=4.00% REP 2=70.92% AH 1=23.16% EH A1=82.45% EH C2=39.28% EH C3=3.92% EH C4=58.16%

Total Fractional Values: SCI 1=1.90 SCI 1B=1.90 SCI 1C=1.90 SCI 2=15.24 EDI 1=20.43 EDI 2=61.83 SS 1=25.00 REP 2=1.41 AH 1=4.32 EH A1=1.21 EH C2=2.55 EH C3=25.53 EH C4=1.72

Key to revisions:

Not applicable

Key to abbreviations:

Abbreviation	Meaning
Acute Tox. 3	Acute Toxicity - Oral Category 3
Acute Tox. 4	Acute Toxicity - Oral Category 4
Acute Tox. 4	Acute Toxicity - Inhalation Category 4
Aquatic Acute 1	Hazardous to the Aquatic Environment - Acute Hazard Category 1
Aquatic Chronic 1	Hazardous to the Aquatic Environment - Long-term Hazard Category 1
Aquatic Chronic 2	Hazardous to the Aquatic Environment - Long-term Hazard Category 2
Aquatic Chronic 3	Hazardous to the Aquatic Environment - Long-term Hazard Category 3
Aquatic Chronic 4	Hazardous to the Aquatic Environment - Long-term Hazard Category 4
Asp. Tox 1	Aspiration Hazard Category 1
Eye Dam. 1	Eye Damage / Irritation Category 1
Eye Irrit. 2	Eye Damage / Irritation Category 2

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Flam. Liq. 3	Flammable Liquid, Hazard Category 3
Flam. Sol. 2	Flammable Solid, Hazard Category 2
H226	Flammable liquid and vapour.
H228	Flammable solid.
H301	Toxic if swallowed.
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H361	Suspected of damaging fertility or the unborn child (exposure route).
H371	May cause damage to organs (organs, exposure route).
H400	Very toxic to aquatic life.
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.
H413	May cause long lasting harmful effects to aquatic life.
P101	If medical advice is needed, have product container or label at hand.
P102	Keep out of reach of children.
P202	Do not handle until all safety precautions have been read and understood.
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.
P260	Do not breathe vapour or dust.
P261	Avoid breathing vapour or dust.
P264	Wash hands and other contacted skin thoroughly after handling.
P270	Do not eat, drink or smoke when using this product.
P271	Use only outdoors or in a well-ventilated area.
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.
P301/312	IF SWALLOWED: call a POISON CENTER or doctor/physician if you feel unwell.
P301/330/331	If swallowed: Rinse mouth. Do not induce vomiting.
P302/352	IF ON SKIN: Wash with plenty of soap and water.
P303/361/353	IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower.

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P304/340	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P305/351/338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P308/313	IF exposed or concerned: Get medical advice/attention.
P309/311	IF exposed or if you feel unwell: Call a POISON CENTRE or doctor/physician.
P310	Immediately call a POISON CENTER or doctor/physician.
P312	Call a POISON CENTRE or doctor/physician if you feel unwell.
P330	Rinse mouth.
P331	Do not induce vomiting.
P332/313	If skin irritation occurs: Get medical advice/attention.
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.
P363	Wash contaminated clothing 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.
Repr. 2	Toxic to Reproduction Category 2
STOT SE 2	Specific Target Organ Toxicity (Single Exposure) Category 2
Skin Corr. 1B	Skin Corrosion / Irritation Category 1B
Skin Irrit. 2	Skin Corrosion / Irritation Category 2
Skin Sens. 1	Sensitization - Skin Category 1
Skin Sens. 1B	Sensitization - Skin Category 1B

The information in this safety data sheet is to the best of our knowledge true and accurate but all data, instructions, recommendations and/or suggestions are made without guarantee.

MYSTIC MOMENTS

Date: 23/11/2018

Re: Vegan Suitability

We can confirm that the all of the Essential Oil Blends supplied by the MADAR Corporation are produced with vegan friendly essential oils.