

CERTIFICATE OF ANALYSIS

PRODUCT IDENTIFICATION AND COMPOSITION

Product Name: Cramp Relief – Essential

Batch Number: Oil 4505704
Best Before End: May 2026
Country of Manufacture: United Kingdom

PHYSICAL AND CHEMICAL PROPERTIES

TEST SPECIFICATION RESULT

Appearance: Clear, 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.

Cramp Relief Madar Corp

Ingredient	CAS	EC	Concentration (%)
Benzyl benzoate	120-51-4	204-402-9	0.0198%
Citral	5392-40-5	226-394-6	0.199%
Coumarin	91-64-5	202-086-7	0.1196%
Eugenol	97-53-0	202-589-1	0.0198%
Geraniol	106-24-1	203-377-1	0.5854%
Linalool	78-70-6	201-134-4	23.996%
d-Limonene	5989-27-5	227-813-5	3.6966%
dl-Citronellol	106-22-9	203-375-0	0.1188%

Regulatory Affairs Department



IFRA CONFORMITY CERTIFICATE

Customer: MADAR Corporation Limited

Product: Cramp Relief Madar Corp

We certify that the above item is in compliance with the Standards of the INTERNATIONAL FRAGRANCE ASSOCIATION (IFRA - 48th Amendment / published June 2015), provided it is used in the following classes at a maximum concentration level of:

IFRA classes [see annex for detail]	Maximum level of use (%)
IFRA Class 1 Limit	Not approved
IFRA Class 2 Limit	2.02%
IFRA Class 3.A Limit	5.05%
IFRA Class 3.B Limit	5.05%
IFRA Class 3.C Limit	2.02%
IFRA Class 3.D Limit	2.02%
IFRA Class 4.A Limit	5.05%
IFRA Class 4.B Limit	5.05%
IFRA Class 4.C Limit	2.02%
IFRA Class 4.D Limit	5.05%
IFRA Class 5 Limit	2.02%
IFRA Class 6 Limit	Not approved
IFRA Class 7.A Limit	2.02%
IFRA Class 7.B Limit	2.02%
IFRA Class 8.A Limit	2.02%
IFRA Class 8.B Limit	5.05%
IFRA Class 9.A Limit	5.05%
IFRA Class 9.B Limit	6.73%
IFRA Class 9.C Limit	6.73%
IFRA Class 10.A Limit	6.73%
IFRA Class 10.B Limit	2.02%
IFRA Class 11 Limit	50.5%



IFRA CONFORMITY CERTIFICATE

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

Contains the following substances restricted by the current IFRA Standards:-

Ingredient	CAS	Concentration (%)
1-Octen-3-yl acetate	2442-10-6	0.08%
Benzaldehyde	100-52-7	0.0198%
Benzyl benzoate	120-51-4	0.0198%
Carvone	99-49-0, 2244-16-8, 6485-40-1	0.0198%
Citral	5392-40-5, 141-27-5, 106-26-3	0.397%
Citronellol	106-22-9, 1117-61-9, 26489-01- 0, 6812-78-8, 141-25-3, 68916- 43-8, 7540-51-4	0.1188%
Coumarin	91-64-5	0.1196%
Estragole	140-67-0	0.0198%
Eugenol	97-53-0	0.0198%
Eugenyl methyl ether	93-15-2	0.0198%
Furfural	98-01-1	0.0198%
Geraniol	106-24-1	0.5854%
Hexen-2-al	6728-26-3	0.0297%

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.

It is the ultimate responsibility of our customer to ensure the safety of the final product (containing this fragrance) by further testing if need be.

Regulatory Affairs Department



IFRA CONFORMITY CERTIFICATE

ANNEX: Definition of IFRA Classes

Finished product types	IFRA class
Lip Products of all types (solid and liquid lipsticks, balms, clear or colored, etc.); Children's Toys	IFRA Class 1 Limit
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 and body spray, etc.); Nose pore strips; Fragranced Bracelets	IFRA Class 2 Limit
Hydroalcoholic Products Applied To Recently Shaved Skin (includes After Shave) (Edt range)	IFRA Class 3.A Limit
Hydroalcoholic Products Applied To Recently Shaved Skin (includes After Shave) (Fine fragrance range)	IFRA Class 3.B Limit
Eye Products of all types (eye shadow, mascara, eyeliner, eye make-up, etc.) including eye care; Men's Facial Creams and Balms; Baby Creams, Lotions, Oils; Body Paint for Children	IFRA Class 3.C Limit
Tampons	IFRA Class 3.D Limit
Hydroalcoholic Products applied to unshaved skin (includes aqueous based, alcoholic based and hydroalcoholic) like Cologne, eau de cologne, Eau de Parfum or Parfum (Edt range); Ingredients of Perfume Kits; Scent Pads, Foil packs; Scent Strips for hydroalcoholic products	IFRA Class 4.A Limit
Hydroalcoholic Products applied to unshaved skin (includes aqueous based, alcoholic based and hydroalcoholic) like Cologne, eau de cologne, Eau de Parfum or Parfum (Fine fragrance range)	IFRA Class 4.B Limit
Hair Styling Aids Sprays of all types (pumps, aerosol sprays, etc.); Body Creams, Oils, Lotions of all types (except baby creams, lotions and oils); Body sprays (including Body Mist) with no intended or reasonably foreseeable use on the axillae; Fragrance Compounds for Cosmetic Kits; Foot Care Products; Hair deodorant; Body Paint (except those for children)	IFRA Class 4.C Limit
Fragrancing Cream; Solid perfumes	IFRA Class 4.D Limit
Women's Facial Creams/Facial Make-up; Hand Cream; Hand sanitizers; Facial Masks; Baby Powder and Talc; Hair Permanent and other hair chemical treatments (e.g. relaxers) but not hair dyes; Wipes or Refreshing Tissues for Face, Neck, Hands, Body; Dry Shampoo or Waterless Shampoo	IFRA Class 5 Limit
Mouthwash, including Breath Sprays; Toothpaste	IFRA Class 6 Limit
Intimate Wipes; Baby Wipes	IFRA Class 7.A Limit
Insect Repellent (intended to be applied to the skin)	IFRA Class 7.B Limit
Make-up Removers of all types (not including face cleansers); Hair Styling Aids Non-Spray of all types (mousse, gels, leave-in conditioners, etc.); Nail Care; Powders and talcs, all types (except baby powders and talcs)	IFRA Class 8.A Limit
Hair Dyes	IFRA Class 8.B Limit
Conditioner (Rinse-Off); Liquid Soap; Shampoos of all types (including baby shampoos); Face Cleansers of all types (washes, gels, scrubs, etc.); Shaving Creams of all types (stick, gels, foams, etc.); All Depilatories (including waxes for mechanical hair removal); Body Washes of all types (including baby washes) and Shower Gels of all types; Bar Soap (Toilet Soap); Bath Gels, Foams, Mousses, Salts, Oils and Other Products added to bathwater	IFRA Class 9.A Limit
Feminine hygiene - pads, liners; Toilet paper; Wheat bags	IFRA Class 9.B Limit
Facial tissues; Napkins; Paper towels; Other Aerosols (including air freshener sprays and air freshener pump sprays, but not including deodorants/antiperspirants, hair styling aids sprays); Fragranced Face Masks (not intended to be used as medical device)	IFRA Class 9.C Limit
Handwash Laundry Detergents of all types including concentrates; Fabric Softeners of all types including fabric softener sheets; Household Cleaning Products, Other Types (fabric cleaners, soft surface cleaners, carpet cleaners, etc.); Machine Wash Laundry Detergents (liquids, powders, tablets, etc.) including laundry bleach and concentrates; Hand Dishwashing Detergent including concentrates; Hard Surface Cleaners of all types (bathroom and kitchen cleansers, furniture polish, etc.); Shampoos for pets; Dry cleaning kits; Scented gloves, socks, tights with moisturizers	IFRA Class 10.A Limit
Diapers; Toilet seat wipes	IFRA Class 10.B Limit
All non-skin contact or incidental skin contact including: Candles; Air Fresheners and Fragrancing of all types (concentrated aerosol with metered doses (range 0.05-0.5mL/spray), plug-ins, solid substrate, membrane delivery, electrical); Air Delivery Systems; Cell phone cases; Pot pourri, powders, fragrancing sachets, liquid refills for air fresheners (non-cartridge systems), Reed diffusers; Liquid refills for air fresheners (cartridge systems); Shoe Polishes; Deodorizers/Maskers not intended for skin contact (e.g. fabric drying machine deodorizers, carpet powders); Insecticides (mosquito coil, paper, electrical, for clothing etc.) excluding aerosols; Scent delivery system using a dry air technology that releases a fragrance without sprays, aerosols or heated oils (technology of nebulization); Air freshening crystals; Toilet Blocks; Joss Sticks or Incense Sticks; Machine Dishwash Detergent and Deodorizers; Machine-only Laundry Detergent (e.g. liquitabs); Plastic articles (excluding toys); Fuels; Fragranced lamp ring; Scent pack; Scratch and Sniff (sampling technology); Paints; Cat litter; Animal sprays (all types); Treatment products for textiles (e.g. starch sprays, fabric treated with fragrances after wash, deodorizers for textiles or fabrics); Floor wax; Odored Distilled Water (that can be added to steam irons)	IFRA Class 11 Limit

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

1.1 Product Identifier

Product identifier: Cramp Relief Madar Corp (Contains: Eucalyptol, Linalool, Linalyl acetate, d-Limonene)

Other identifiers: None

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

Product uses: Fragrances

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: Pat

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

danger:

Class and category of 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 - Long-term Hazard Category 2

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.

H411, Toxic to aquatic life with long lasting effects.

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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.

H315, Causes skin irritation.

H317, May cause an allergic skin reaction.

H319, Causes serious eye irritation.

H411, Toxic to aquatic life with long lasting effects.

Supplemental Information:

EUH208, Contains Coumarin, Geranial, Geraniol, Geranyl acetate, Neral, Nerol, Neryl acetate, Terpinolene, alpha-Pinene, beta-Caryophyllene, beta-Pinene, delta-3-Carene, dl-Citronellol, I-.

beta.-Bisabolene, I-Limonene. May produce an allergic reaction.

Precautionary statements:

P210, Keep away from heat, sparks, open flames and hot surfaces. - No smoking.

P240, Ground/bond container and receiving equipment.

P233, Keep container tightly closed.

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.

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

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

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.

MYSTIC M@MENTS

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Pictograms:









2.3 Other hazards

Other hazards: None

Section 3. Composition / information on ingredients

3.2 Mixtures

Contains:

Name	CAS	EC	REACH Registration No.	%	Classification for (CLP) 1272/2008
Linalool	78-70-6	201-134-4		20-<50%	Skin Irrit. 2-Eye Irrit. 2- Skin Sens. 1B;H315- H317-H319,-
Linalyl acetate	115-95-7	204-116-4		20-<50%	Skin Irrit. 2-Eye Irrit. 2- Skin Sens. 1B;H315- H317-H319,-
Eucalyptol	470-82-6	207-431-5		10-<20%	Flam. Liq. 3-Skin Sens. 1B;H226-H317,-
4-Carvomenthenol	562-74-3	209-235-5		5-<10%	Acute Tox. 4-Skin Irrit. 2-Eye Irrit. 2;H302- H315-H319,-
d-Limonene	5989-27-5	227-813-5		1-<5%	Flam. Liq. 3-Skin Irrit. 2-Skin Sens. 1B-Asp. Tox 1-Aquatic Acute 1- Aquatic Chronic 1; H226-H304-H315- H317-H410,-
alpha-Terpineol	98-55-5	202-680-6		1-<5%	Skin Irrit. 2-Eye Irrit. 2; H315-H319,-
p-Mentha-1,4-diene	99-85-4	202-794-6		1-<5%	Flam. Liq. 3-Asp. Tox 1;H226-H304,-
beta-Caryophyllene	87-44-5	201-746-1		1-<5%	Skin Sens. 1B-Asp. Tox 1-Aquatic Chronic 4;H304-H317-H413,-
cis-beta-Ocimene	3338-55-4	222-081-3		1-<5%	Flam. Liq. 3-Skin Irrit. 2-Asp. Tox 1-Aquatic Acute 1-Aquatic Chronic 2;H226-H304- H315-H400-H411,-
p-Mentha-1,3-diene	99-86-5	202-795-1		1-<5%	Flam. Liq. 3-Acute Tox. 4-Asp. Tox 1-Aquatic Chronic 2;H226-H302- H304-H411,-
2-Butyl acetate	3779-61-1			1-<5%	Skin Irrit. 2-Asp. Tox 1- Aquatic Acute 1- Aquatic Chronic 2; H304-H315-H400- H411,-

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80-56-8	201-291-9	1-<5%	Flam. Liq. 3-Acute Tox. 4-Skin Irrit. 2-Skin Sens. 1B-Asp. Tox 1- Aquatic Acute 1-
80-56-8	201-291-9	1-<5%	Sens. 1B-Asp. Tox 1-
80-56-8	201-291-9	1-<5%	
00 00 0	201 201 0		
		. 370	Aquatic Chronic 1;
			H226-H302-H304-
			H315-H317-H410,-
			Flam. Liq. 3-Flam. Sol.
79-92-5	201-234-8	1-<5%	2-Aquatic Acute 1-
			Aquatic Chronic 1;
_			H226-H228-H410,- Skin Irrit. 2-Skin Sens.
495-61-4		1-<5%	1B-Asp. Tox 1;H304-
100 01 4		1 1070	H315-H317
1			Skin Irrit. 2-Eye Irrit. 2-
502 61 4		1 ~50/	STOT SE 3-Asp. Tox 1;
302-01-4		1-\5%	H304-H315-H319-
			H335,-
			Flam. Liq. 3-Skin Irrit.
			2-Eye Irrit. 2-Asp. Tox 1-Aquatic Acute 1-
123-35-3	204-622-5	0.1-<1%	Aquatic Chronic 2;
			H226-H304-H315-
			H319-H400-H411,-
1			Skin Sens. 1B-Asp.
586 62 0	200 578 0	0.1 - 194	Tox 1-Aquatic Acute 1-
360-02-9	209-576-0	0.1-< 178	Aquatic Chronic 1;
			H304-H317-H410,-
			Flam. Liq. 3-Skin Irrit.
			2-Skin Sens. 1B-Asp. Tox 1-Aquatic Acute 1-
5989-54-8	227-815-6	0.1-<1%	Aquatic Chronic 1;
			H226-H304-H315-
			H317-H410,-
1			Skin Irrit. 2-Eye Dam.
106-24-1	203-377-1	0.1-<1%	1-Skin Sens. 1;H315-
			H317-H318,-
			Flam. Liq. 3-Skin Irrit.
127-91-3	204-872-5		2-Skin Sens. 1B-Asp.
		0.1-<1%	Tox 1-Aquatic Acute 1-Aquatic Chronic 1;
			H226-H304-H315-
			H317-H410,-
1			Skin Irrit. 2-Skin Sens.
105-87-3	203-341-5	0 1-<1%	1-Skin Sens. 1B-
103-07-3	203-341-3	0.1-170	Aquatic Chronic 3;
			H315-H317-H412,-
141-27-5	205-476-5	0.1-<1%	Skin Irrit. 2-Skin Sens.
+			1B;H315-H317,- Skin Irrit. 2-Skin Sens.
106-26-3	203-379-2	0.1-<1%	1B;H315-H317,-
141 10 0	205 450 2	0.4.40/	Skin Irrit. 2-Skin Sens.
141-12-8	200-409-2	0.1-<1%	1B;H315-H317,-
			Skin Irrit. 2-Eye Dam.
106-25-2	203-378-7	0.1-<1%	1-Eye Irrit. 2-Skin
			Sens. 1B;H315-H317-
+			H318-H319,- Flam. Liq. 3-Skin Irrit.
			2-Skin Sens. 1-Skin
			Sens. 1B-Asp. Tox 1-
13466-78-9	236-719-3	0.1-<1%	Aquatic Acute 1-
			Aquatic Chronic 1;
			H226-H304-H315-
			H317-H410,-
	1		Acute Tox. 4-Skin
91-64-5	202-086-7	0.1-<1%	
91-64-5 106-22-9	202-086-7	0.1-<1%	Sens. 1B;H302-H317,- Skin Irrit. 2-Skin Sens.
	495-61-4 502-61-4 123-35-3 586-62-9 5989-54-8 106-24-1 127-91-3 105-87-3 141-27-5 106-26-3 141-12-8 106-25-2	495-61-4 502-61-4 123-35-3 204-622-5 586-62-9 209-578-0 5989-54-8 227-815-6 106-24-1 203-377-1 127-91-3 204-872-5 105-87-3 203-341-5 141-27-5 205-476-5 106-26-3 203-379-2 141-12-8 205-459-2 106-25-2 203-378-7	495-61-4 1.<5%



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Substances with Community workplace exposure limits:

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: Remove from exposure site to fresh air, keep at rest, and obtain medical attention.

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.

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 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.

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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:

Ground/bond container and receiving equipment.

Use only non-sparking tools.

Take precautionary measures against static discharge.

7.3 Specific end use(s):

Fragrances: 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.



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Section 9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance:

Odour:

Not determined

Odour threshold:

PH:

Not determined

Flash point: 50< °C

Evaporation rate:Not determined
Flammability (solid, gas):
Not determined

Upper/lower flammability or explosive limits: Product does not present an explosion hazard

Vapour pressure:Not determinedVapour density:Not determined

Relative density: 0.872625 - 0.882625

Solubility(ies): Not determined Partition coefficient: n-octanol/water: Not determined **Auto-ignition temperature:** Not determined **Decomposition temperature:** Not determined Not determined Viscosity: **Explosive properties:** Not expected Oxidising properties: Not expected **Refractive Index:** 1.46061 - 1.47037

Optical Rotation: -0.23 °

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.

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10.6 Hazardous decomposition products:

Not expected.

Section 11. Toxicological information

11.1 Information on toxicological effects

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 4475
Acute Toxicity Dermal >5000

Acute Toxicity Inhalation Not Available

Skin corrosion/irritation:Skin Corrosion / Irritation Category 2Serious eye damage/irritation:Eye Damage / Irritation Category 2Respiratory or skin sensitisation:Sensitization - Skin Category 1

Germ cell mutagenicity:

Based on available data the classification criteria are not met.

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Based on available data the classification criteria are not met.

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Aspiration hazard: Aspiration Hazard Category 1

Information about hazardous ingredients in the mixture

Ingredient	CAS	EC	LD50/ATE Oral	LD50/ATE Dermal	LC50/ATE Inhalation	LC50 Route
4-Carvomenthenol	562-74-3	209-235-5	1300	2500	Not available	Not available
p-Mentha-1,3-diene	99-86-5	202-795-1	1680	Not available	INOT available	Not available

Refer to Sections 2 and 3 for additional information.

Section 12. Ecological information

12.1 Toxicity:

Toxic to aquatic life with long lasting effects.

12.2 Persistence and degradability:Not available12.3 Bioaccumulative potential:Not available12.4 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 Other adverse effects: Not available

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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: UN1169

14.2 UN Proper Shipping Name: EXTRACTS, AROMATIC, LIQUID

14.3 Transport hazard class(es): 3

Sub Risk: -

14.4. Packing Group:

14.5 Environmental hazards: This is an environmentally hazardous substance.

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

None additional

15.2 Chemical Safety Assessment

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

Section 16. Other information

Concentration % Limits: EH C2=29.13% EH C3=2.91% SCI 2=15.52% EDI 2=16.17% SS 1=4.16%

AH 1=47.86%

Total Fractional Values: EH C2=3.43 EH C3=34.33 SCI 2=6.44 EDI 2=6.19 SS 1=24.06 AH 1=2.09

Key to revisions:

Not applicable

Key to abbreviations:

Abbreviation	Meaning
Acute Tox. 4	Acute Toxicity - Oral 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



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Eye Irrit. 2	Eye Damage / Irritation Category 2
Flam. Liq. 3	Flammable Liquid, Hazard Category 3
Flam. Sol. 2	Flammable Solid, Hazard Category 2
H226	Flammable liquid and vapour.
H228	Flammable solid.
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
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.
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.
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.
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.
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.
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.

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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.
P403/233	Store in a well-ventilated place. Keep container tightly closed.
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.
STOT SE 3	Specific Target Organ Toxicity (Single Exposure) Category 3
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.

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.