

## **CERTIFICATE OF ANALYSIS**

PRODUCT NAME: RAVENSARA, ESSENTIAL OIL ORGANIC

**BATCH NUMBER: 4557501** 

PRODUCT INCI: RAVENSARA AROMATICA OIL

CAS NUMBER: 91770-56-8 EINECS NUMBER: 294-842-8

MANUFACTURING METHOD: STEAM DISTILLATION

BEST BEFORE DATE: October 2027

Analytical Details	Range	RESULTS
Appearance	LIQUID	-
Colour	COLOURLESS — PALE YELLOW - Green	-
Odour	CHARACTERISTIC	-
Specific Gravity @ 20°C	0.870 - 0.930	0.906
Refractive Index @ 20°C	1.450 – 1.490	1.465
OPTICAL ROTATION (°C)	-15.0 To + 5.0	-15.0

#### **STORAGE CONDITIONS**

STORE IN A COOL DRY PLACE AWAY FROM HEAT & SUNLIGHT

ODUCT NAME:	Ravensara, Essential Oil Organic			
INCI:	Ravensara Aromatica Leaf			
	COSMETIC ALLERGENS			
The Foll	lowing is from the 7th amendment of the cosmetic directive of the European Union Annex iii.			
ex Illa 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	<0.09	
72	HYDROXY-CITRONELLAL	107-75-5	0.00	
73	ISOEUGENOL	97-54-1	0.00	
74	AMYLCIN-NAMYL 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	<0.13	
79	HYDROXY- METHYLPENTYLCYCLOHEXENECARBOXALDEHYDE	31906-04-4	0.00	
80	ANISE ALCOHOL	105-13-5	0.00	
81	BENZYL CINNAMATE	103-41-3	0.00	
82	FARNESOL	4602-84-0	0.00	
83		80-54-6	0.00	
	BUTYLPHENYL METHYLPROPIONAL			
84	LINALOOL	78-70-6	<3.36	
85	BENZYL BENZOATE	120-51-4	0.00	
86	CITRONELLOL	106-22-9	0.00	
87	HEXYL CINNAM-ALDEHYDE	101-86-0	0.00	
88	LIMONENE	5989-27-5	<12.08	
89	METHYL HEPTIN CARBONATE	111-12-6	0.00	
90	ALPHA-ISOMETHYL IONONE	127-51-5	0.00	
91	EVERNIA PRUNASTRI EXTRACT	90028-68-5	0.00	
92	EVERNIA FURFURACEA EXTRACT	90028-67-4	0.00	
	FOOD ALLERGENS			
	directive 2007/68/EC of 27th November 2007 amending Annex Na to Directive 200/13/EC of the European Parl			
x Illa Reference:	CERTAIN CONTRACTOR OF THE CONT	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	AYOS	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 & SULPHITES	NO	NO	NO
13	LUPIN	NO	NO	NO
14	MOLLUSC	NO	NO	NO

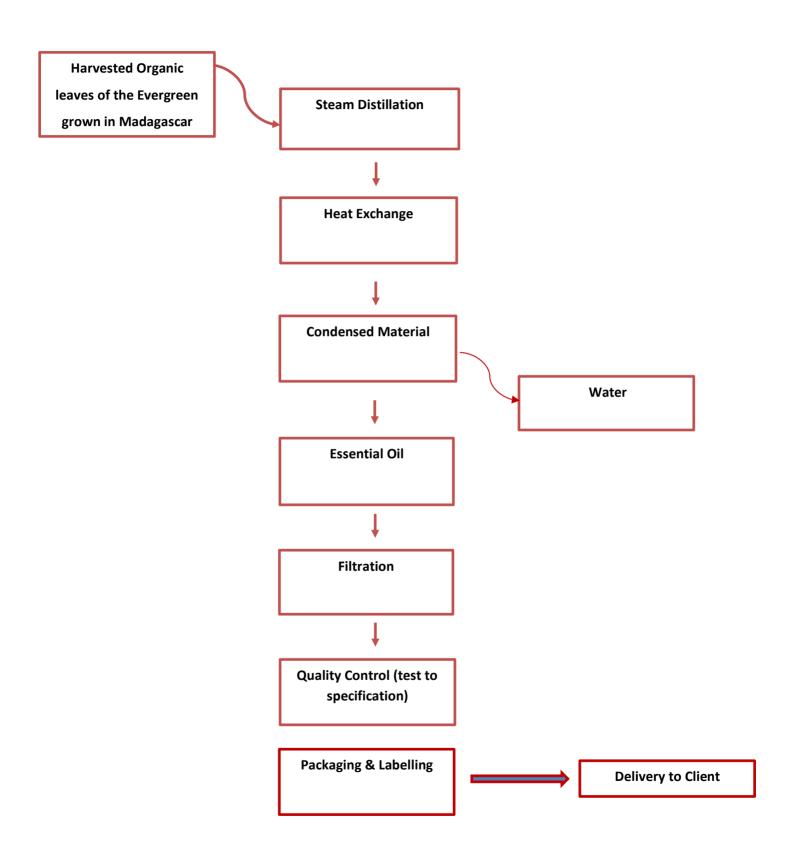


### Composition Statement & Manufacturing Flow Chart:

Madar Corporation can hereby confirm the following composition breakdown & manufacturing process flow;

Ravensara, Essential Oil Organic

INCI Name	% Inclusion	CAS Number
Ravensara Aromatica	100	91770-56-8





26-05-2021

### **GMO STATEMENT**

We hereby state and certify that the Ravensara Organic sold by us is not derived/ produced from a raw material that has been genetically modified.



## **IFRA STATEMENT**

PRODUCT NAME: RAVENSARA, ESSENTIAL OIL ORGANIC

PRODUCT INCI: RAVENSARA AROMATICA LEAF OIL

MADAR CORPORATION LIMITED 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 49<sup>TH</sup>

AMENDMENT OF THE IFRA CODE OF PRACTICE:

Restricted Component	Cas No:	% Level in Product	IFRA Standard
Limonene	5989-27-5	≤ 14.58	Specification
Linalool	78-70-6	≤ 3.36	Specification
Benzaldehyde	100-52-7	≤ 0.03	Restriction
Carvone	99-49-0	≤ 0.03	Restriction
Eugenol	97-53-5	≤ 0.09	Restriction
Geraniol	106-24-1	≤ 0.13	Restriction
Trans-2-Hexenal	6728-25-3	≤ 0.03	Restriction
Estragole	140-67-0	≤ 2.94	Restriction
Furfural	98-01-1	≤ 0.03	Restriction
Methyl Eugenol	93-15-2	≤ 2.58	Restriction

#### Additional comments:

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

According to Cosmetic Regulation (EC) No 1223/2009 Annex III methyl eugenol is restricted to a maximum concentration in a ready to use preparation as follows

Fine fragrance — 0.01% Fragrance cream - 0.002% Eau de toilette - 0.004% Rinse-off products - 0.001%

Other leave-on products and oral products - 0.0002%

The attached information is considered to be correct at the time the client received this information. Please be aware that detail can change and we encourage clients to update their records regularly. The information is not and should not be considered a guarantee or warranty, or a part of our contractual or other legal obligations. The information is not to be disclosed to others, reproduced or transmitted in whole or in part without permission. It is the responsibility of the client to ensure the safety of the final product containing this ingredient. Please carry out additional testing if necessary.

IFRA Category	% Maximum Use Level
IFRA Category 1	Not approved
IFRA Category 2	0.09
IFRA Category 3	0.01
IFRA Category 4	0.62
IFRA Category 5A	0.08
IFRA Category 5B	0.02
IFRA Category 5C	0.02
IFRA Category 5D	0.01
IFRA Category 6	Not approved
IFRA Category 7A	0.02
IFRA Category 7B	0.02
IFRA Category 8	0.02
IFRA Category 9	0.03
IFRA Category 10A	0.03
IFRA Category 10B	0.12
IFRA Category 11A	0.01
IFRA Category 11B	0.01
IFRA Category 12	3.76

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IFRA Category	Product Type	Flavour Use	Phototoxicity
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, fragrancing cream, aftershaves of all types, etc.). Fragranced bracelets. Ingredients of perfume kits and fragrance mixtures for cosmetic kits. Scent pads, foil packs. Scent strips for 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	No	Applicable
Category 5C	(women facial creams) Hand cream. Nail care products including cuticle creams, etc. Hand sanitizers	No	(leave-on products) Applicable (leave-on products)
Category 5D	Baby cream/lotion, baby oil, baby powders and talc.	No	Applicable
Category 6	Toothpaste. Mouthwash, including breath sprays. Toothpowder, strips, mouthwash tablets	Yes	(leave-on products) 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 softeners 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)

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### **Material Safety Data Sheet**

**EU Regulation: 1907/2006** 

ECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING					
1.1 PRODUCT IDENTIFICATION					
PRODUCT NAME	RAVENSARA, ESSENTIAL OIL ORGANIC				
BIOLOGICAL DEFINITION	RAVENSARA AROMATICA LEAF OIL IS THE VOLATILE OIL DISTILLED FROM THE LEAVES OF RAVENSARA AROMATICA, LAURACEAE.				
INCI NAME	Ravensara Aromatica Leaf Oil				
SYNONYMS & TRADE NAMES	Organic Ravensara Aromatica Oil				
INTERNAL PRODUCT CODE					
CAS-No	91770-56-8	EC No.	294-842-8	EINECS No.	294-842-8
1.2 DETAILS OF THE SUPPLIER OF THE SAFETY DAT	A SHEET				
COMPANY ADDRESS	Madar Corporation Limited 19 - 20 Sandleheath Industrial Estate, Fordingbridge, SP6 1PA				
EMAIL	technical@madarcorporation.co.uk				
1.3 DETAILS OF THE SUPPLIER OF THE SAFETY DAT	A SHEET				
EMERGENCY CONTACTS	01425 655555				



2.1 CLASSIFICATION OF THE SUBSTANCE OR MIXTURE	The full text for all hazard statements is displayed in section 16.
CLASSIFICATION (67/548/EEC)	THE FULL TEXT FOR ALL R-PHRASES AND HAZARD STATEMENTS ARE DISPLAYED IN SECTION 16.
CLASSIFICATION (EU1272/2008)	PHYSICAL HAZARDS:  FLAMMABLE LIQUID, CATEGORY 3 (FLAM. LIQ. 3, H226).  SKIN IRRITATION, CATEGORY 2 (SKIN IRRIT. 2, H315).  ASPIRATION HAZARD, CATEGORY 1 (ASP. TOX. 1, H304).  EYE IRRITATION, CATEGORY 2 (EYE IRRIT. 2, H319).  SKIN SENSITISATION, CATEGORY 1 (SKIN SENS. 1, H317).  GERM CELL MUTAGENICITY, CATEGORY 2 (MUTA. 2, H341).  CARCINOGENICITY, CATEGORY 2 (CARC. 2, H351).  REPRODUCTIVE TOXICITY, CATEGORY 2 (REPR. 2, H361).  ENVIRONMENTAL HAZARDS:  HAZARDOUS TO THE AQUATIC ENVIRONMENT - CHRONIC HAZARD, CATEGORY 2 (AQUATIC CHRONIC 1, H411).
2.2 LABEL ELEMENTS	Label in accordance with Regulation (EC) No 1272/2008.
GHS LABEL	GHS07 GHS08 GHS09 GHS02
Signal Word	DANGER.
Contains	LIMONENE, SABINENE, P-CYMENE, ALPHA-PINENE.
HAZARDS STATEMENT	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. H341 Suspected of causing genetic defects. H351 Suspected of causing cancer. H361 Suspected of Damaging fertility or the unborn child. H411 Toxic to aquatic life with long lasting effects.
Precautionary Statements	P210 KEEP AWAY FROM HEAT/SPARKS/OPEN FLAMES/HOT SURFACES. — NO SMOKING. P261 AVOID BREATHING VAPOURS/SPRAY P273 AVOID RELEASE TO THE ENVIRONMENT. P280 WEAR PROTECTIVE GLOVES/PROTECTIVE CLOTHING/EYE PROTECTION/FACE PROTECTION. P301 + P310 IF SWALLOWED: IMMEDIATELY CALL A POISON CENTER OR DOCTOR/PHYSICIAN. P303 + P361 + P353 IF ON SKIN (OR HAIR): REMOVE/TAKE OFF IMMEDIATELY ALL CONTAMINATED CLOTHING. RINSE SKII WITH WATER/SHOWER. P305 + P351 + P338 IF IN EYES: RINSE CAUTIOUSLY WITH WATER FOR SEVERAL MINUTES. REMOVE CONTACT LENSES, IF PRESENT AND EASY TO DO. CONTINUE RINSING. P333+P313 IF SKIN IRRITATION OR RASH OCCURS: GET MEDICAL ADVICE/ATTENTION. P370+P378 IN CASE OF FIRE: USE CARBON DIOXIDE, DRY CHEMICAL, FOAM TO EXTINGUISH. P501 DISPOSE OF CONTENTS IN ACCORDANCE WITH LOCAL, STATE OR NATIONAL LEGISLATION.
SUPPLEMENTARY PRECAUTIONARY STATEMENTS	None.
2.3	SECTION 16 (OTHER INFORMATION): RISK & SAFETY PHRASES IN FULL.
OTHER HAZARDS	
Adverse Physio-Chemical Properties	NO ADDITIONAL DATA AVAILABLE.
Adverse effects on human health	NO ADDITIONAL DATA AVAILABLE.
PBT OR VPVB ACCORDING TO ANNEX XIII	NO ADDITIONAL DATA AVAILABLE.



#### **SECTION 3: COMPOSITION OF INGREDIENTS**

≤ 45.0% EUCALYPTOL CAS NO: 470-82-6, EC NO: 207-431-5 CLASSIFICATION (EC 1272/2008) FLAM. LIQ. 3, H226, SKIN SENS. 1, H317

≤ 14.58% LIMONENE CAS NO: 5989-27-5, EC NO: 227-813-5

CLASSIFICATION (EC 1272/2008) FLAM. LIQ. 3, H226, ASP. TOX. 1, H304, SKIN IRRIT. 2, H315, SKIN SENS. 1, H317, AQUATIC ACUTE 1, H400, AQUATIC CHRONIC 1, H410

1.0 - 5.0% SABINENE CAS NO: 3387-41-5, EC NO: 222-212-4

Classification (EC 1272/2008) Flam. Liq. 3, H226, ASP. Tox. 1, H304, Skin Irrit. 2, H315, Eye Irrit. 2, H319, STOT SE 3, H335

1.0- 5.0% P-CYMENE CAS NO: 99-87-6, EC NO: 202-796-7

CLASSIFICATION (EC 1272/2008) FLAM. LIQ. 3, H226, ASP. TOX. 1, H304, SKIN IRRIT. 2, H315, EYE IRRIT. 2, H319, STOT SE 3, H335

3.36% LINALOOL CAS NO: 78-70-6, EC NO: 201-134-4

CLASSIFICATION (EC 1272/2008) SKIN IRRIT. 2, H315, SKIN SENS. 1B H317, EYE IRRIT. 2, H319

1.0 - 5.0% GAMMA-TERPINENE CAS NO: 99-85-4, EC NO: 202-794-6

Classification (EC 1272/2008) Flam. Liq. 3, H226, Repr. 2, H361, Aquatic Chronic 2, H411

1.0- 5.0% ALPHA-PINENE CAS NO: 80-56-8, EC NO: 201-291-9

CLASSIFICATION (EC 1272/2008) FLAM. LIQ. 3, H226, ACUTE TOX. 4, H302, ASP. TOX. 1, H304, SKIN IRRIT. 2, H315, SKIN SENS. 1, H317, AQUATIC ACUTE 1, H400, AQUATIC CHRONIC 1, H410

2.94% ESTRAGOLE CAS NO: 140-67-0, EC NO: 205-427-8

CLASSIFICATION (EC 1272/2008) ACUTE TOX. 4, H302, CARC. 2, H351, MUTA. 2, H341, SKIN SENS. 1, H317

3.2 MIXTURES

1.0 – 5.0% 4-TERPINENOL CAS NO: 562-74-3, EC NO: 209-235-5

CLASSIFICATION (EC 1272/2008) ACUTE TOX. 4, H302, SKIN IRRIT. 2, H315, SKIN SENS. 1, H317, EYE IRRIT. 2, H319, STOT SE 3, H336

1.0- 5.0% ALPHA-TERPINEOL CAS NO: 98-55-5, EC NO: 202-680-6

CLASSIFICATION (EC 1272/2008) SKIN IRRIT. 2, H315, EYE IRRIT. 2, H319

 $\leq$  2.58% Eugenyl Methyl Ether (Methyl Eugenol) CAS No: 93-15-2, EC No: 202-223-0

CLASSIFICATION (EC 1272/2008) ACUTE TOX. 4, H302, MUTA. 2, H341, CARC. 2, H351

1.0 - 2.0% MYRCENE CAS NO: 123-35-3, EC NO: 204-622-5

CLASSIFICATION (EC 1272/2008) FLAM. LIQ. 3, H226, ASP. TOX. 1, H304, SKIN IRRIT. 2, H315, EYE IRRIT. 2, H319, AQUATIC ACUTE 1, H400, AQUATIC CHRONIC 1, H410

1.0 - 2.0% BETA-PINENE CAS NO: 127-91-3, EC NO: 204-872-5

CLASSIFICATION (EC 1272/2008) FLAM. LIQ. 3, H226, ASP. TOX. 1, H304, SKIN IRRIT. 2, H315, SKIN SENS. 1, H317, AQUATIC ACUTE 1, H400, AQUATIC CHRONIC 1, H410

1.0 - 2.0% CAMPHENE CAS No: 79-92-5, EC No: 201-234-8

CLASSIFICATION (EC 1272/2008) FLAM. SOL. 1, H228, EYE IRRIT. 2, H319, AQUATIC ACUTE 1, H400, AQUATIC CHRONIC 1, H410

1.0 - 2.0% BETA-CARYOPHYLLENE CAS NO: 87-44-5, EC NO: 201-746-1

CLASSIFICATION (EC 1272/2008) ASP. TOX. 1, H304, SKIN SENS. 1B, H317, AQUATIC CHRONIC 4, H413



1.1 DESCRIPTION OF FIRST AID MEASURES		
GENERAL INFORMATION	ALWAYS REMOVE CONTAMINATED CLOTHING IMMEDIATELY.  GET MEDICAL ATTENTION IMMEDIATELY. REMOVE FROM EXPOSURE SITE TO FRESH AIR, KEEP AT REST, AND OBTAIN MEDICAL	
	ATTENTION.	
Ingestion	GET MEDICAL ATTENTION IMMEDIATELY. RINSE MOUTH WITH WATER AND OBTAIN MEDICAL ATTENTION.	
SKIN CONTACT	REMOVE CONTAMINATED CLOTHES. WASH THOROUGHLY WITH SOAP AND WATER. CONTACT PHYSICIAN IF IRRITATION PERSIST	
.2	FLUSH IMMEDIATELY WITH WATER FOR AT LEAST 15 MINUTES. CONTACT PHYSICIAN IF SYMPTOMS PERSIST.	
AOST IMPORTANT SYMPTOMS & EFFECTS (ACUTE & DELAYED)	NO ADDITIONAL DATA AVAILABLE.	
+.3 NDICATION OF ANY IMMEDIATE MEDICAL ATTENTION OR PECIAL TREATMENT REQUIRED	NO ADDITIONAL DATA AVAILABLE.	
SECTION 5: FIRE FIGHTING MEASURES		
i.1 EXTINGUISHING MATERIAL	FOAM, CO2, DRY CHEMICAL POWDER.	
5.2 SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE	A FIRE WILL OFTEN PRODUCE A THICK BLACK SMOKE. EXPOSURE TO DECOMPOSITION PRODUCTS MAY BE HAZARDOUS TO HEALTH.  DO NOT BREATHE IN SMOKE.  IN THE EVENT OF A FIRE, THE FOLLOWING MAY BE FORMED: CARBON MONOXIDE (CO) & CARBON DIOXIDE (CO2).	
5.3 Advice for fire-fighters	SPECIAL PROTECTIVE EQUIPMENT FOR FIRE-FIGHTERS:	
	WEAR POSITIVE-PRESSURE SELF-CONTAINED BREATHING APPARATUS (SCBA) AND APPROPRIATE PROTECTIVE CLOTHING.  URE	
SECTION 6: ACCIDENTAL RELEASE MEAS	CONSULT THE SAFETY MEASURES LISTED UNDER HEADINGS 7 AND 8. FOR NON FIRST AID WORKER AVOID ANY CONTACT WITH THE SKIN AND EYES.	
SECTION 6: ACCIDENTAL RELEASE MEAS	CONSULT THE SAFETY MEASURES LISTED UNDER HEADINGS 7 AND 8. FOR NON FIRST AID WORKER	
SECTION 6: ACCIDENTAL RELEASE MEAS  6.1 PERSONAL PRECAUTIONS  6.2	CONSULT THE SAFETY MEASURES LISTED UNDER HEADINGS 7 AND 8. FOR NON FIRST AID WORKER AVOID ANY CONTACT WITH THE SKIN AND EYES. FOR FIRST AID WORKER FIRST AID WORKER FIRST AID WORKERS WILL BE EQUIPPED WITH SUITABLE PERSONAL PROTECTIVE EQUIPMENT (SEE SECTION 8).	
SECTION 6: ACCIDENTAL RELEASE MEAS  6.1 PERSONAL PRECAUTIONS  6.2 ENVIRONMENTAL PRECAUTIONS  6.3 METHODS & MATERIAL FOR CONTAINMENT AND CLEANING	CONSULT THE SAFETY MEASURES LISTED UNDER HEADINGS 7 AND 8.  FOR NON FIRST AID WORKER  AVOID ANY CONTACT WITH THE SKIN AND EYES.  FOR FIRST AID WORKER  FIRST AID WORKERS WILL BE EQUIPPED WITH SUITABLE PERSONAL PROTECTIVE EQUIPMENT (SEE SECTION 8).  DO NOT DISCHARGE INTO DRAINS, WATER COURSES OR ONTO THE GROUND. DISPOSE OF IN LINE WITH LOCAL AUTHORITY GUIDELINES.  REMOVE IGNITION SOURCES. PROVIDE ADEQUATE VENTUATION. AVOID EXCESSIVE INHALATION OF VAPOURS. CONTAIN	
SECTION 6: ACCIDENTAL RELEASE MEAS  6.1 PERSONAL PRECAUTIONS  6.2 ENVIRONMENTAL PRECAUTIONS  6.3 METHODS & MATERIAL FOR CONTAINMENT AND CLEANING UP  6.4	CONSULT THE SAFETY MEASURES LISTED UNDER HEADINGS 7 AND 8. FOR NON FIRST AID WORKER AVOID ANY CONTACT WITH THE SKIN AND EYES. FOR FIRST AID WORKER FIRST AID WORKER FIRST AID WORKERS WILL BE EQUIPPED WITH SUITABLE PERSONAL PROTECTIVE EQUIPMENT (SEE SECTION 8). DO NOT DISCHARGE INTO DRAINS, WATER COURSES OR ONTO THE GROUND. DISPOSE OF IN LINE WITH LOCAL AUTHORITY GUIDELINES.  REMOVE IGNITION SOURCES. PROVIDE ADEQUATE VENTILATION. AVOID EXCESSIVE INHALATION OF VAPOURS. CONTAIN	
SECTION 6: ACCIDENTAL RELEASE MEAS  6.1 PERSONAL PRECAUTIONS  6.2 ENVIRONMENTAL PRECAUTIONS  6.3 METHODS & MATERIAL FOR CONTAINMENT AND CLEANING UP  6.4 REFERENCES TO OTHER SECTIONS  SECTION 7: HANDLING & STORAGE	CONSULT THE SAFETY MEASURES LISTED UNDER HEADINGS 7 AND 8.  FOR NON FIRST AID WORKER  AVOID ANY CONTACT WITH THE SKIN AND EYES.  FOR FIRST AID WORKER  FIRST AID WORKERS WILL BE EQUIPPED WITH SUITABLE PERSONAL PROTECTIVE EQUIPMENT (SEE SECTION 8).  DO NOT DISCHARGE INTO DRAINS, WATER COURSES OR ONTO THE GROUND. DISPOSE OF IN LINE WITH LOCAL AUTHORITY GUIDELINES.  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.	

	RECOMMENDED EQUIPMENT AND PROCEDURES:  FOR PERSONAL PROTECTION, SEE SECTION 8.  OBSERVE PRECAUTIONS STATED ON LABEL AND ALSO INDUSTRIAL SAFETY REGULATIONS.  AVOID SKIN AND EYE CONTACT WITH THIS SUBSTANCE.  PROHIBITED EQUIPMENT AND PROCEDURES:  NO SMOKING, EATING OR DRINKING IN AREAS WHERE THE SUBSTANCE IS USED.
	Storage
	KEEP THE CONTAINER TIGHTLY CLOSED IN A DRY, WELL-VENTILATED PLACE.
7.0	KEEP AWAY FROM FOOD AND DRINK.
7.2  CONDITIONS FOR SAFE STORAGE, INCLUDING ANY	KEEP AWAY FROM ALL SOURCES OF IGNITION - DO NOT SMOKE.
INCOMPATIBILITIES	KEEP WELL AWAY FROM ALL SOURCES OF IGNITION, HEAT AND DIRECT SUNLIGHT.
	AVOID ACCUMULATION OF ELECTROSTATIC CHARGES.
	PACKAGING
	ALWAYS KEEP IN PACKAGING MADE OF AN IDENTICAL MATERIAL TO THE ORIGINAL.
7.3 SPECIFIC END USE(S)	NO DATA.
SECTION 8: EXPOSURE CONTROLS & PERSONAL PROTECTION	

8.1
CONTROL PARAMETERS

NO ADDITIONAL DATA AVAILABLE.

### 8.2 EXPOSURE CONTROLS



EYE PROTECTION	WEAR PROTECTIVE GLOVES/EYE PROTECTION/FACE PROTECTION.
HAND PROTECTION	WEAR PROTECTIVE GLOVES/EYE PROTECTION/FACE PROTECTION.
RESPIRATORY EQUIPMENT	NOT NECESSARY
HYGIENE MEASURES	GOOD PERSONAL HYGIENE PRACTICES ARE ALWAYS ADVISABLE, ESPECIALLY WHEN WORKING WITH CHEMICALS / OILS.
ENGINEERING MEASURES	Provide adequate ventilation or respiratory protection.
SKIN PROTECTION	WEAR PROTECTIVE CLOTHING TO REDUCE THE RISK OF SKIN AND EYE CONTACT.
PERSONAL PROTECTION	AVOID INHALATION OF THE PRODUCT. AVOID CONTACT WITH SKIN AND EYES.
OTHER PROTECTION	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.
ENVIROMENTAL EXPOSURE CONTROLS	AVOID DISCHARGING INTO DRAINAGE WATER.

# **SECTION 9: PHYSICAL & CHEMICAL PROPERTIES**

9.1 PHYSICAL & CHEMICAL PROPERTIES	
Appearance	CLEAR
COLOUR	COLOURLESS – PALE YELLOW -GREEN
ODOUR	CHARACTERISTIC
RELATIVE DENSITY	0.900 @ 20°C
FLASH POINT (°C)	50°C
REFRACTIVE INDEX @ 20 °C	1.470 @ 20°C



SOLUBILITY IN WATER @ 20 °C	INSOLUBLE IN WATER	
	INSOLUBLE IN WATER	
9.2 OTHER INFORMATION	NO DATA	
SECTION 10: STABILITY & REACTIVITY		
10.1 REACTIVITY	NO HAZARDOUS REACTIONS IF STORED AND HANDLED AS PRESCRIBED / INDICATED.	
10.2 CHEMICAL STABILITY	Stable under suggested storage conditions (<15°C).	
10.3 Possibility of hazardous reactions	NOT EXPECTED UNDER NORMAL USE.	
10.4 CONDITIONS TO AVOID	Storage at high temperatures. Do not store above $15^{\circ}\mathrm{C}$ Avoid extreme heat and sunlight.	
10.5 INCOMPATIBLE MATERIALS	AVOID CONTACT WITH STRONG ACIDS, ALKALIS OR OXIDISING AGENTS	
10.6 HAZARDOUS DECOMPOSITION PRODUCTS	NOT EXPECTED UNDER NORMAL TEMPERATURE CONDITIONS AND RECOMMENDED USE.  THERMAL DECOMPOSITION MAY RELEASE/FORM OXIDES OF CARBON (CARBON MONOXIDE, CARBON DIOXIDE) AND OTHER TOXIC GASES.	

1.1 OXICOLOGICAL EFFECTS  ACUTE TOXICITY	
Αςιπε Τοχιστή	
710012 70710111	NOT CLASSIFIED.
SKIN IRRITATION	CAUSES SKIN IRRITATION
EYE DAMAGE OR IRRITATION	Causes serious eye irritation
RESPIRATORY OR SKIN SENSITIVITY	SKIN — MAY CAUSE AN ALLERGIC SKIN REACTION
GERM CELL MUTAGENICITY	SUSPECTED OF CAUSING GENETIC DEFECTS.
CARCINOGENICITY	SUSPECTED OF CAUSING CANCER
REPRODUCTIVE TOXICITY	SUESPECTED OF DAMAGING FERTILITY OR THE UNBORN CHILD.
STOT – SINGLE EXPOSURE	NO ADDITIONAL DATA AVAILABLE.
STOT – REPEATED EXPOSURE	NO ADDITIONAL DATA AVAILABLE.
ASPIRATION HAZARD	MAY BE FATAL IF SWALLOWED AND ENTERS AIRWAYS.
OTHER INFORMATION	NO ADDITIONAL DATA AVAILABLE.
SECTION 12: ECOLOGICAL INFORMATION  12.1  TOXIC TO AQUATIC LIFE WITH LONG LASTING EFFECTS.	
OXICITY	THE PRODUCT MUST NOT BE ALLOWED TO RUN INTO DRAINS OR WATERWAYS.
2.2 PERSISTENCE & DEGRADABILITY	NO DATA
2.3 GIO- ACCUMULATIVE POTENTIAL	NO DATA
2.4 Mobility in soil	NO DATA.
2.5 ESULTS OF PBT & VPVB ASSESSMENT	NO DATA.
2.6 OTHER ADVERSE EFFECTS	NO DATA.



SECTION 13: DISPOSAL INFORMATION	
13.1 Waste treatment methods	DO NOT ALLOW ENTRY INTO DRAINS OR WATERWAYS.  WASTE:  WASTE MANAGEMENT IS CARRIED OUT WITHOUT ENDANGERING HUMAN HEALTH, WITHOUT HARMING THE ENVIRONMENT AND, IN PARTICULAR WITHOUT RISK TO WATER, AIR, SOIL, PLANTS OR ANIMALS.  RECYCLE OR DISPOSE OF WASTE IN COMPLIANCE WITH CURRENT LEGISLATION, PREFERABLY VIA A CERTIFIED COLLECTOR OR COMPANY.  DO NOT CONTAMINATE THE GROUND OR WATER WITH WASTE, DO NOT DISPOSE OF WASTE INTO THE ENVIRONMENT.  SOILED PACKAGING: EMPTY CONTAINER COMPLETELY. KEEP LABEL(S) ON CONTAINER.  GIVE TO A CERTIFIED DISPOSAL CONTRACTOR.

SECTION 14: Transport Information	
14.1 Transport Information	
	ROAD: 1169
UN NUMBER	RAIL: 1169
	AIR: 1169
14.2 UN SHIPPING NAME	Extracts, aromatic, liquid.
14.3 TRANSPORT HAZARD CLASS(ES)	ADR/RID  ADR/RID—CLASS 3  ADR CLASSIFICATION CODE — F1  SPECIAL PROVISIONS — 601 604E  LIMITED QUANTITIES — 5L  EXPECTED QUANTITIES — E1  EMERGENCY ACTION CODE — 3Y  TUNNEL RESTRICTION CODE — D/E  IMDG  IMDG  IMDG — CLASS 3  SPECIAL PROVISIONS — 601 640E  LIMITED QUANTITIES — 5L  EXPECTED QUANTITIES — E1  IMDG EMS — F-E, S-D  STOWAGE AND HANDLING — CATEGORY A  ICAO/IATA  ICAO/IATA  ICAO/IATA—CLASS 3  IATA PROPER SHIPPING NAME - EXTRACTS, AROMATIC, LIQUID  EXPECTED QUANTITIES — E1
14.4 PACKING GROUP	ADR/RID/ADN PACKING GROUP III IMDG PACKING GROUP III ICAO PACKING GROUP III



14.5 Enviromental Hazards	Environmentally Hazardous Substance/Marine Pollutant.
14.6 SPECIAL PRECAUTIONS FOR USER	See sections 6 – 8.
14.7 TRANSPORT IN BULK ACCORDING TO ANNEX II OF MARPOL73/78 & THE IBC CODE.	NO DATA.
SECTION 15: REGULATORY INFORMATION  15.1  PRODUCT SPECIFIC SAFETY, HEALTH & ENVIRONMENTAL REGULATIONS & LEGISLATION	
EU DIRECTIVES	REGULATION (EC) NO 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL OF 18 <sup>TH</sup> DECEMBER 2006. CONCERNING THE REGISTRATION, EVALUATION, AUTHORIZATION & RESTRICTION OF CHEMICALS (REACH), ESTABLISHING A EUROPEAN CHEMICALS AGENCY, AMENDING DIRECTIVE 1999/45/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	-

SECTION 16: OTHER INFORMATION	
Hazard and/ or Precautionary Statements in full	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. H319 CAUSES SERIOUS EYE IRRITATION. H335 MAY CAUSE RESPIRATORY IRRITATION. H341 SUSPECTED OF CAUSING GENETIC DEFECTS. H351 SUSPECTED OF CAUSING CANCER. H361 SUSPECTED OF DAMAGING FERTILITY OR THE UNBORN CHILD. 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. H413 MAY CAUSE LONG LASTING HARMFUL EFFECTS TO AQUATIC LIFE.
TRAINING INSTRUCTIONS: REFER TO POSSIBLE HAZARD BEFORE USE OF THIS PRODUCT.	
ABBREVIATIONS & ACRONYMS:	



MSDS	MATERIAL SAFETY DATA SHEET.
INCI	INTERNATIONAL NOMENCLATURE OF COSMETIC INGREDIENTS.
CAS	CHEMICAL ABSTRACT SERVICE.
IMDG	International Maritime code for Dangerous Goods.
ADR	Accord European sur le transport des merchandises Dangereuses par Route (European
	AGREEMENT CONCERNING THE INTERNATIONAL CARRIAGE OF DANGEROUS GOODS BY ROAD).
RID	International Carriage of Dangerous Goods by Rail.
ICAO	International Civil Aviation Organization.
ADN	International Carriage of Dangerous Goods by Inland Waterways.
GHS	GLOBALLY HARMONIZED SYSTEM OF CLASSIFICATION & LABELLING OF CHEMICALS.
Trem Card	Transport Emergency Card.
STOT	Specific Target Organ Toxicity.

DOCUMENTATION REVISION	
DATE	CHANGE DESCRIPTION
10™ April 2018	Data Launch
FEBRUARY 2021	Review



## **SPECIFICATION SHEET**

#### PRODUCT NAME: RAVENSARA, ESSENTIAL OIL ORGANIC

PRODUCT INCI: RAVENSARA AROMATICA LEAF OIL

CAS NUMBER: 91770-56-8 EINECS NUMBER: 294-842-8

MANUFACTURING METHOD: STEAM DISTILLATION

SHELF LIFE / BEST BEFORE: 24 MONTHS

ANALYTICAL DETAILS	RANGE
Appearance	LIQUID
Colour	COLOURLESS — PALE YELLOW - GREEN
Odour	CHARACTERISTIC
SPECIFIC GRAVITY @ 20°C	0.870 – 0.930
REFRACTIVE INDEX @ 20°C	1.450 – 1.490
OPTICAL ROTATION (°C)	-15.0 to +5.0

#### **STORAGE CONDITIONS**

STORE IN A COOL DRY PLACE AWAY FROM HEAT & SUNLIGHT

**DOCUMENTATION REVIEW DATE:** 

FEBRUARY 2021



## **Vegetarian & Vegan Suitability Statement**

PRODUCT NAME: Ravensara Organic

MADAR Corporation Limited can confirm that the above listed product does not contain dairy or any other animal product, by product or derivative and is therefore suitable for vegetarian and vegan use.

26-05-2021