CERTIFICATE OF ANALYSIS

PRODUCT NAME: LEMON MYRTLE, ESSENTIAL OIL

Lot Number: 4540108

PRODUCT INCI: BACKHOUSIA CITRIODORA LEAF OIL

PRODUCT CODE: OELEMOMYRT

Cas Number: 84775-80-4

EINECS NUMBER: 283-909-7

MANUFACTURING METHOD: STEAM DISTILLED

Best Before End: 04/2027

Analytical Details	RANGE	RESULTS
Appearance	LIQUID	-
COLOUR	PALE YELLOW – DARK YELLOW	-
Odour	CHARACTERISTIC, FRESH LEMON	-
Specific Gravity @ 20°C	0.870-0.935	0.896
Refractive Index @ 20°C	1.475 - 1.495	1.485
OPTICAL ROTATION (°C)	-10.0 то +10.0	-1.36

STORAGE CONDITIONS

STORE IN A COOL DRY PLACE AWAY FROM HEAT & SUNLIGHT

ALLERGEN STATEMENT

PRODUCT NAME: LEMON MYRTLE, ESSENTIAL OIL

COSMETIC ALLERGENS

Annex Illa			TOTAL ALLERGEN	
Reference:		CAS NUMBER:	INCLUSION (%):	
67	AMYL CINNAMAL	122-40-7	0.000	
68	BENZYL ALCOHOL	100-51-6	0.000	
69	CINNAMYL ALCOHOL	104-54-1	0.000	
70	CITRAL	5392-40-5	80.7502	
71	EUGENOL	97-53-0	0.4770	
72	HYDROXY-CITRONELLAL	107-75-5	0.000	
73	ISO EUGENOL	97-54-1	0.4750	
74	AMYLCIN-NAMYL ALCOHOL	101-85-9	0.000	
75	BENZYL SALICYLATE	118-58-1	0.0002	
76	CINNAMAL	104-55-2	0.000	
77	COUMARIN	91-64-5	0.000	
78	GERANIOL	106-24-1	9.5023	
79	HYDROXYISOHEXYL 3-CYCLOHEXENE CARBOXALDEHYDE	31906-04-4	0.000	
80	ANISE ALCOHOL	105-13-5	0.000	
81	BENZYL CINNAMATE	103-41-3	0.000	
82	FARNESOL	4602-84-0	0.0020	
83	BUTYLPHENYL METHYLPROPIONAL	80-54-6	0.000	
84	LINALOOL	78-70-6	2.8880	
85	BENZYL BENZOATE	120-51-4	0.0002	
86	CITRONELLOL	106-22-9	1.4290	
87	HEXYL CINNAM-ALDEHYDE	101-86-0	0.000	
88	LIMONENE	5989-27-5	10.578	
89	METHYL 2-OCTYNOATE	111-12-6	0.000	
90	ALPHA-ISOMETHYL IONONE	127-51-5	0.000	
91	EVERNIA PRUNASTRI EXTRACT	90028-68-5	0.000	
92	EVERNIA FURFURACEA EXTRACT	90028-67-4	0.000	

FOOD ALLERGENS

Annex Illa		PRESENT IN	CONTAMINATION	FACTORY
Reference:		PRODUCT:	PRESENCE:	PRESENCE:
1	CEREALS (CONTAINING GLUTEN)	NO	NO	YES
2	CRUSTACEANS	NO	NO	NO
3	EGGS	NO	NO	NO
4	FISH	NO	NO	NO
5	PEANUTS	NO	NO	YES
6	SOYA	NO	NO	YES
7	MILK	NO	NO	YES
8	NUTS	NO	NO	YES
9	CELERY & CELERIAC	NO	NO	YES
10	MUSTARD	NO	NO	YES
11	SESAME	NO	NO	YES
12	SULPHUR DIOXIDE & SULPHITES	NO	NO	NO
13	LUPIN	NO	NO	NO
14	MOLLUSC	NO	NO	NO

MANUFACTURING FLOW & INCI STATEMENT

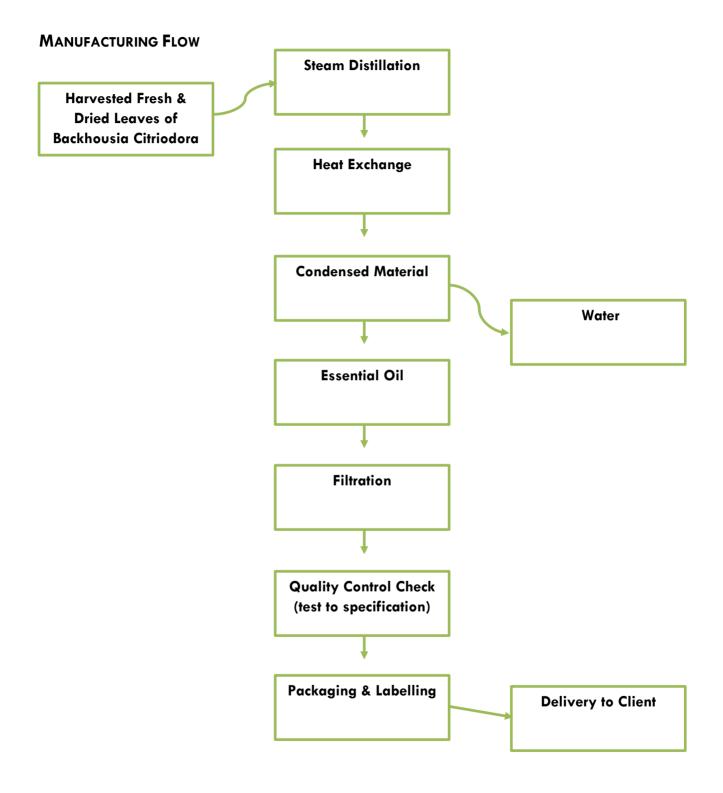
PRODUCT NAME: LEMON MYRTLE, ESSENTIAL OIL

PRODUCT CODE: K0257

INCI STATEMENT

We can hereby confirm the following composition breakdown & manufacturing process flow.

INCI Name	% Inclusion	CAS Number
Backhousia Citriodora Leaf Oil	100	84775-80-4



16-05-2023

STATEMENT

WE: MADAR CORPORATION, HEREWITH CERTIFY AND CONFIRM THAT THE LEMON MYRTLED ESSENTIAL OIL SUPPLIED IS **GMO FREE**

IFRA STATEMENT

PRODUCT NAME: LEMON MYRTLE, ESSENTIAL OIL PRODUCT INCI: BACKHOUSIA CITRIODORA LEAF OIL

WE CERTIFY THAT THE ABOVE-MENTIONED MATERIAL CONFORMS TO THE IFRA 50 CODE OF PRACTICE AND CONTAINS THE FOLLOWING RESTRICTED COMPONENTS THAT ARE LISTED IN THE 50TH AMENDMENT OF THE IFRA CODE OF PRACTICE:

Restricted Component	Cas No:	% Level in Product	IFRA Standard
α-Bisabolol	515-69-5, 23089- 26-1, 23178-88-3, 78148-59-1, 76738-75-5, 72691-24-8	0.0002	Restriction
Benzaldehyde	100-52-7	0.0060	Restriction
Benzyl Benzoate	120-51-4	0.0002	Restriction
Benzyl Salicylate	118-58-1	0.0002	Restriction
Carvone	99-49-0	0.0002	Restriction
Citral	5392-40-5	80.7502	Restriction
Citronellol	106-22-9	1.4290	Restriction
Citronellal	106-23-0	0.6652	Restriction
Eugenol	97-53-0	0.4770	Restriction
Eugenyl Methyl Ether	93-15-2	0.0020	Restriction
Farnesol	4602-84-0	0.0020	Restriction, Specification
Furfural	98-01-1	0.0002	Restriction
Geraniol	106-24-1	9.5023	Restriction
Hexen-2-al	6728-26-3	0.0002	Restriction
3,7-dimethyl 3,6-octadienal	55722-59-3, 1754- 00-3, 72203-98-6, 72203-97-5	1.7100	Restriction
lsoeugenol	97-54-1	0.4750	Restriction
Phenylacetaldehyde	122-78-1	0.0002	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%
 Eau de toilette - 0.004%

 Fragrance cream - 0.002%
 Rinse-off products - 0.001%

 Other leave-on products and oral products - 0.0002%
 Rinse-off products - 0.001%

Farnesol should only be used as a fragrance ingredient if it contains a minimum of 96% of farnesol isomers as determined by GLC.

IFRA Category	% Maximum Use Level
IFRA Category 1	0.13
IFRA Category 2	0.03
IFRA Category 3	0.12
IFRA Category 4	0.74
IFRA Category 5A	0.18
IFRA Category 5B	0.18
IFRA Category 5C	0.18
IFRA Category 5D	0.06
IFRA Category 6	0.43
IFRA Category 7A	0.24
IFRA Category 7B	0.24
IFRA Category 8	0.06
IFRA Category 9	1.48
IFRA Category 10A	1.48
IFRA Category 10B	5.20
IFRA Category 11A	0.06
IFRA Category 11B	0.06
IFRA Category 12	Not Limited

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)		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 (leave-on products)
Category 5C	(women facial creams) Hand cream. Nail care products including cuticle creams, etc. Hand sanitizers	No	Applicable (leave-on products)
Category 5D	Baby cream/lotion, baby oil, baby powders and talc.	No	Applicable (leave-on products)
Category 6	Toothpaste. Mouthwash, including breath sprays. Toothpowder, strips, mouthwash tablets	Yes	Applicable (leave-on products)
Category 7A	Hair permanent or other hair chemical treatments (rinse-off) (e.g. relaxers), including rinse-off hair dyes	No	Applicable (leave-on products)
Category 7B	Hair sprays of all types (pumps, aerosol sprays, etc.). Hair styling aids non-sprays (mousse, gels, leave- on conditioners). Hair permanent or other hair chemical treatments (leave-on) (e.g. relaxers), including leave-on hair dyes. Shampoo - Dry (waterless shampoo). Hair deodorizer	No	Applicable (leave-on products)
Category 8	Intimate wipes. Tampons. Baby wipes. Toilet paper (wet).	No	Applicable (leave-on products)
Category 9	Bar soap. Shampoo of all type. Cleanser for face (rinse-off). Conditioner (rinse-off). Liquid soap. Body washes and shower gels of all types. Baby wash, bath, shampoo. Bath gels, foams, mousses, salts, oils and other products added to bathwater. Foot care products (feet are placed in a bath for soaking). Shaving creams of all types (stick, gels, foams, etc.). All depilatories (including facial) and waxes for mechanical hair removal. Shampoos for pets	NO	Applicable (rinse-off products)
Category 10A	Hand wash laundry detergent (including concentrates). Laundry pre-treatment of all types (e.g. paste, sprays, sticks). Hand dishwashing detergent (including concentrates). Hard surface cleaners of all types (bathroom and kitchen cleansers, furniture polish, etc.). Machine laundry detergents with skin contact (e.g. liquids, powders) including concentrates. Dry cleaning kits. Toilet seat wipes. Fabric softeners of all types including fabric softener sheets. Household cleaning products, other types including fabric cleaners, soft surface cleaners, carpet cleaners, furniture polishes sprays and wipes, leather cleaning wipes, stain removers, fabric enhancing sprays, treatment products for textiles (e.g. starch sprays, fabric treated with fragrances after wash, deodorizers for textiles or fabrics). Floor wax. Fragranced oil for lamp ring, reed diffusers, pot-pourri, liquid refills for air fresheners (non-cartridge systems), etc. Ironing water (Odorized distilled water).	NO	Applicable (rinse-off products)
Category 10B	Animal sprays – sprays applied to animals of all types. Air freshener sprays, manual, including aerosol and pump. Aerosol/spray insecticides	NO	Applicable (rinse-off products)
Category 11A	Feminine hygiene conventional pads, liners, interlabial pads. Diapers (baby and adult). Adult incontinence pant, pad. Toilet paper (dry).	NO	Not applicable (leave-on products without UV exposure)
Category 11B	Tights with moisturizers. Scented socks, gloves. Facial tissues (dry tissues). Napkins. Paper towels. Wheat bags. Facial masks (paper/protective) e.g. surgical masks not used as medical device. Fertilizers, solid (pellet or powder).	NO	Applicable (leave- on products)
Category 12	Candles of all types (including encased). Laundry detergents for machine wash with minimal skin contact (e.g. Liquid tabs, pods). Automated air fresheners and fragrancing of all types (concentrated aerosol with metered doses (range 0.05-0.5mL/spray), plug-ins, closed systems, solid substrate, membrane delivery, electrical, powders, fragrancing sachets, incense, liquid refills (cartridge), air freshening crystals). Air delivery systems. Cat litter. Cell phone cases. Deodorizers/maskers not intended for skin contact (e.g. fabric drying machine deodorizers, carpet powders). Fuels. Insecticides (e.g. mosquito coil, paper, electrical, for clothing) excluding aerosols/sprays. Joss sticks or incense sticks. Dish wash detergent and deodorizers – for machine wash. Olfactive board games. Paints. Plastic articles (excluding toys). Scratch and sniff. Scent pack. Scent delivery system (using dry air technology). Shoe polishes. Rim blocks (Toilet).	NO	Not applicable (non-skin contact products)

Material Safety Data Sheet

EU Regulation: 2020/878

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING					
1.1 Product Identification					
Product Name	LEMON MYRTLE, ESSEN	NTIAL OIL			
BIOLOGICAL DEFINITION	Backhousia Citriod	ora Leaf Oil	IS THE VOLATILE OIL OBTAINED FROM	m the leaves of B a	CKHOUSIA CITRIODORA, MYRTACEAE.
INCI NAME	Backhousia Citriod	ora Leaf Oil			
Synonyms & Trade Names	-				
INTERNAL PRODUCT CODE					
CAS-No	84775-80-4	EC No.	283-909-7	EINECS No.	283-909-7
1.2 DETAILS OF THE SUPPLIER OF THE SAFETY DATA 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 655 555				

SECTION 2: HAZARDS IDENTIFICATION

2.1 CLASSIFICATION OF THE SUBSTANCE OR MIXTURE	THE FULL TEXT FOR ALL HAZARD STATEMENTS IS DISPLAYED IN SECTION 16.
CLASSIFICATION (67/548/EEC)	NO ADDITIONAL DATA AVAILABLE.
CLASSIFICATION (EU1272/2008)	SKIN CORROSION / IRRITATION CATEGORY 2 EYE DAMAGE / IRRITATION CATEGORY 1 SENSITIZATION - SKIN CATEGORY 1 ASPIRATION HAZARD CATEGORY 1 HAZARDOUS TO THE AQUATIC ENVIRONMENT - LONG-TERM HAZARD CATEGORY 2 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. H411, TOXIC TO AQUATIC LIFE WITH LONG LASTING EFFECTS.
2.2 LABEL ELEMENTS	LABEL IN ACCORDANCE WITH REGULATION (EC) NO 1272/2008.
GHS LABEL	GHS05 GHS07 GHS08 GHS09 GHS09
Signal Word	DANGER.
Contains	Geraniol, alpha-Pinene, Myrcene, Eugenol
HAZARDS STATEMENT	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. H411 TOXIC TO AQUATIC LIFE WITH LONG LASTING EFFECTS.
Precautionary Statements	 P261, Avoid Breathing Vapour or Dust. P264, Wash hands and other contacted skin thoroughly after handling. P272, Contaminated work clothing should not be allowed out of the workplace. P273, Avoid Release to the environment. P280, Wear protective Gloves/Eve protection/face protection. P301/310, IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. P302/352, IF ON SKIN: Wash with plenty of soap and water. P305/351/338, IF IN EVES: 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. P331, Do not induce vomiting. P333/313, IF skin irritation or rash occurs: Get medical advice/attention. P362, Take off contaminated clothing and wash before reuse. P391, Collect spillage. P405, Store locked up. P501, Dispose of contents/container to approved disposal site, in accordance with local regulations.
Supplementary Precautionary Statements	P264: Wash hands and exposed skin thoroughly after handling.
	SECTION 16 (OTHER INFORMATION): RISK & SAFETY PHRASES IN FULL.
2.3 Other Hazards	
Adverse physio-chemical properties	Hydrocarbon Concentration %: 20.7750%
Adverse effects on human health	ΝΟ ΔΑΤΑ
PBT OR VPVB ACCORDING TO ANNEX XIII	ΝΟ ΔΑΤΑ

SECTION 3: COMPOSITION OF INGREDIENTS

3.2 MIXTURES	50-100% Citral CAS No: 5392-40-5 EC No: 226-394-6
S.2 MIXTURES	Classification (EC 1272/2008) Skin Irrit. 2 - H315, Skin Sens. 1 - H317, Eye Irrit. 2 - H319
	10-<20% d-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 Chronic 1 - H410
	5-<10% Geraniol CAS No: 106-24-1 EC No: 203-377-1
	Classification (EC 1272/2008) Skin Irrit. 2 - H315, Skin Sens. 1 - H317, Eye Dam. 1 - H318
	1-<5% Geranyl Acetate CAS No: 105-87-3 EC No: 203-341-5
	Classification (EC 1272/2008) Skin Irrit. 2 - H315, Skin Sens. 1 - H317, Aquatic Chronic 3 H412
	1-<5% Linalool CAS No: 78-70-6 EC No: 201-134-4
	Classification (EC 1272/2008) Skin Irrit. 2 - H315, Skin Sens. 1 - H317, Eye Irrit. 2 - H319
	1-<5% beta-Caryophyllene CAS No: 87-44-5 EC No: 201-746-1
	Classification (EC 1272/2008) Asp. Tox. 1 - H304, Skin Sens. 1 - H317
	1-<5% 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 Chronic 1 - H410
	1-<5% Camphene CAS No: 79-92-5 EC No: 201-234-8
	Classification (EC 1272/2008) Flam. Sol. 2 – H228, Aquatic Chronic 1 - H410
	1-<5% 6-Methyl-5-hepten-2-one CAS No: 110-93-0 EC No: 203-816-7
	Classification (EC 1272/2008) Flam. Liq. 3 - H226
	1-<5% 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 2 - H411
	1-<5% Terpinen-4-ol CAS No: 562-74-3 EC No: 209-235-5
	Classification (EC 1272/2008) Acute Tox. 4 - H302, Skin Irrit. 2 - H315, Acute Tox. 3 – H331, STOT SE 3 - H336

1-<5% Terpinolene CAS No: 586-62-9 EC No: 209-578-0
Classification (EC 1272/2008) Flam. Liq. 3 - H226, Asp. Tox. 1 - H304, Skin Sens. 1B - H317, Aquatic Chronic 1 - H410
0.1-<1% 3.7-Dimethyl-1.3.6-octatriene CAS No:13877-91-3 EC No:237-641-2
Classification (EC 1272/2008) Flam. Liq. 3 - H226, Asp. Tox. 1 - H304,) Skin Irrit. 2- H315, Aquatic Acute 1 - H400, Aquatic Chronic 2 - H411
0.1-<1% Eucalyptol CAS No: 470-82-6 EC No: 207-431-5
Classification (EC 1272/2008) Flam. Liq. 3 - H226, Skin Sens. 1B - H317
1-<5% Citronellol CAS No: 106-22-9 EC No: 203-375-0
Classification (EC 1272/2008) Skin Irrit. 2 - H315, Skin Sens. 1B - H317, Eye Irrit. 2 - H319
0.1-<1% gamma-Terpinene CAS No: 99-85-4 EC No: 202-794-6
Classification (EC 1272/2008) Flam. Liq. 3 – H226, Asp. Tox. 1 – H304, Repr. 2 - H361, Aquatic Chronic 2 - H411
0.1-<1% para-Cymene CAS No: 99-87-6 EC No: 202-796-7
Classification (EC 1272/2008) Flam. Liq. 3 – H226, Asp. Tox. 1 – H304, Acute Tox. 3 – H331, Repr. 2 - H361, Aquatic Chronic 2 - H411
0.1-<1% p-Mentha-1.3-diene CAS No: 99-86-5 EC No: 202-795-1
Classification (EC 1272/2008) Flam. Liq. 3 – H226, Acute Tox. 4 - H302, Asp. Tox. 1 – H304, Skin Sens. 1B - H317, Aquatic Chronic 2 - H411
0.1-<1% Citronellal CAS No: 106-23-0 EC No: 203-376-6
Classification (EC 1272/2008) Skin Irrit. 2- H315, Skin Sens. 1B - H317, Eye Irrit. 2 - H319
0.1-<1% Eugenol CAS No: 97-53-0 EC No: 202-589-1
Classification (EC 1272/2008) Skin Sens. 1B - H317, Eye Irrit. 2 - H319
0.1-<1%% Isoeugenol CAS No: 97-54-1 EC No: 202-590-7
Classification (EC 1272/2008) Acute Tox. 4 - H302, Acute Tox. 4 - H312, Skin Irrit. 2 - H315, Skin Sens. 1A - H317, Eye Irrit. 2 - H319, Acute Tox. 4 – H332, STOT SE 3 – H335,
0.1-<1% trans-Nerolidol CAS No: 40716-66-3 EC No: 255-053-4
Classification (EC 1272/2008) Skin Sens. 1B - H317, Aquatic Chronic 1 - H410

SECTION 4: FIRST AID MEASURES
4.1

DESCRIPTION OF FIRST AID MEASURES	
GENERAL INFORMATION	ALWAYS REMOVE CONTAMINATED CLOTHING IMMEDIATELY.
INHALATION	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 PERSISTS.
Eye Contact	IMMEDIATELY FLUSH WITH PLENTY OF WATER FOR UP TO 15 MINUTES. REMOVE ANY CONTACT LENSES AND OPEN EYES WIDE APART. GET MEDICAL ADVICE/ATTENTION. CONTINUE TO RINSE.
4.2 Most important symptoms & effects (Acute & Delayed)	MAY BE FATAL IF SWALLOWED AND ENTERS AIRWAYS. CAUSES SKIN IRRITATION. MAY CAUSE AN ALLERGIC SKIN REACTION. CAUSES SERIOUS EYE DAMAGE.
4.3 INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION OR SPECIAL TREATMENT REQUIRED	TREAT SYMPTOMATICALLY.

SECTION 5: FIRE FIGHTING MEASURES

5.1 EXTINGUISHING MATERIAL	FOAM, CO2, DRY CHEMICAL POWDER.	
5.2	A FIRE WILL OFTEN PRODUCE A THICK BLACK SMOKE. EXPOSURE TO DECOMPOSITION PRODUCTS MAY BE HAZARDOUS TO	
SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR	HEALTH. DO NOT BREATHE IN SMOKE.	
MIXTURE	THERMAL DECOMPOSITION OR COMBUSTION PRODUCTS MAY INCLUDE THE FOLLOWING SUBSTANCES:	
	CARBON DIOXIDE (CO2), CARBON MONOXIDE (CO), OTHER TOXIC GASES.	
	CONTAINERS CLOSE TO FIRE SHOULD BE REMOVED OR COOLED WITH WATER.	
5.3	SPECIAL PROTECTIVE EQUIPMENT FOR FIRE-FIGHTERS:	
Advice for fire-fighters	WEAR POSITIVE-PRESSURE SELF-CONTAINED BREATHING APPARATUS (SCBA) AND APPROPRIATE PROTECTIVE CLOTHING.	

SECTION 6: ACCIDENTAL RELEASE MEASURES		
6.1 Personal precautions	ENSURE ADEQUATE VENTILATION OF THE WORKING AREA, EVACUATE PERSONNEL TO SAFE AREA, WEAR SUITABLE PROTECTIVE EQUIPMENT. NO SMOKING, SPARKS, FLAMES OR OTHER SOURCES OF IGNITION NEAR SPILLAGE. AVOID CONTACT WITH SKIN, EYES AND CLOTHING.	
6.2 ENVIRONMENTAL PRECAUTIONS	DO NOT DISCHARGE INTO DRAINS, WATER COURSES OR ONTO THE GROUND. DISPOSE OF IN LINE WITH LOCAL AUTHORITY GUIDELINES.	
6.3 Methods & 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 References to other sections	REFER & CONSIDER SECTION 7, 8, & 13.	

SECTION 7: HANDLING & STORAGE

7.1 Precautions for safe-handling	HANDLE IN ACCORDANCE WITH GOOD HYGIENE AND SAFETY PRACTICE. KEEP AWAY FROM HEAT, SPARKS, OPEN FLAMES A HOT SURFACES NO SMOKING. USE PERSONAL PROTECTIVE EQUIPMENT AS REQUIRED. USE IN ACCORDANCE WITH GOOD MANUFACTURING AND INDUSTRIAL HYGIENE PRACTICES. USE IN AREAS WITH ADEQUATE VENTILATION DO NOT EAT, DRINK SMOKE WHEN USING THIS PRODUCT.	
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.	
7.3 Specific end use(s)	FLAVOURS, FRAGRANCES, COSMETICS, PROFESSIONAL USE ONLY: USE IN ACCORDANCE WITH GOOD MANUFACTURING AND INDUSTRIAL HYGIENE PRACTICES.	
SECTION 8: EXPOSURE CONTROLS & PERSONAL PROTECTION		
8.1 Control Parameters	NO DATA.	

8.2 EXPOSURE CONTROLS		
EYE PROTECTION	WEAR PROTECTIVE GLOVES/EYE PROTECTION/FACE PROTECTION.	
HAND PROTECTION	WEAR PROTECTIVE GLOVES/EYE PROTECTION/FACE PROTECTION.	
RESPIRATORY EQUIPMENT	RESPIRATORY EQUIPMENT RESPIRATORY EQUIPMENT	
HYGIENE MEASURES	GOOD PERSONAL HYGIENE PRACTICES ARE ALWAYS ADVISABLE, ESPECIALLY WHEN WORKING WITH CHEMICALS $/$ OILS.	
ENGINEERING MEASURES	PROVIDE ADEQUATE VENTILATION.	
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. ONLY ELIMNATE BY AUTHORISED COMPANIES.	

SECTION 9: PHYSICAL & CHEMICAL PROPERTIES

9.1 Physical & Chemical Properties		
Appearance	Liquid	
COLOUR	Pale yellow – Dark Yellow	
Odour	Characteristic – Fresh Lemon.	
RELATIVE DENSITY	0.8700 - 0.9350	
FLASH POINT (°C)	>67	
Solubility in water @ 20 °C	INSOLUBLE IN WATER	
9.2 Other Information	NO DATA.	
SECTION 10: STABILITY & REACTIVITY		
10.1 Reactivity	PRESENTS NO SIGNIFICANT REACTIVITY HAZARD, BY ITSELF OR IN CONTACT WITH WATER.	
10.2 Chemical stability	STABLE UNDER THE RECOMMENDED HANDLING AND STORAGE CONDITIONS IN SECTION 7.	
10.3 Possibility of hazardous reactions	NOT EXPECTED UNDER NORMAL CONDITIONS OF USE.	
10.4 Conditions to avoid	KEEP AWAY FROM HEAT, HOT SURFACES, SPARKS, OPEN FLAMES AND OTHER IGNITION SOURCES. PREVENT STORING THE PRODUCT IN OPEN CONTAINERS FOR LONG PERIODS SO AS TO PREVENT PRODUCT DETERIORATION.	
10.5 Incompatible materials	AVOID CONCENTRATED ACIDS, ALKALIS & OXIDISING AGENTS.	
10.6 HAZARDOUS DECOMPOSITION PRODUCTS	This product does not decompose under normal conditions. Under fire conditions the product will produce a mixture of irritating fumes & smoke & carbon monoxide.	

SECTION 11: TOXICOLOGICAL INFORMATION							
11.1 Toxicological effects							
	BASED ON AVAILABLE	DATA THE CL	ASSIFICATION	CRITERIA ARE N	OT MET.		
4 august 7 august 1							
Αсυτε Τοχιςιτγ	ACUTE TOXICITY OR ACUTE TOXICITY DER ACUTE TOXICITY INH	mal >5000					
Skin irritation	Skin Corrosion /						
EYE DAMAGE OR IRRITATION	EYE DAMAGE / IRRIT						
R ESPIRATORY OR SKIN SENSITIVITY	SENSITIZATION - SKI						
GERM CELL MUTAGENICITY	NOT CLASSIFIED.						
CARCINOGENICITY	NOT CLASSIFIED.						
R EPRODUCTIVE TOXICITY	NOT CLASSIFIED.						
STOT – SINGLE EXPOSURE	NOT CLASSIFIED.						
STOT – REPEATED EXPOSURE	NOT CLASSIFIED.						
	ASPIRATION HAZARE	CATEGORY	1				
	Ingredient	CAS	EC	LD50/ATE Oral	LD50/ATE Dermal	LC50/ATE Inhalation	LC50 Route
ASPIRATION HAZARD	Terpinen-4-ol	562-74-3	209-235-5	1300	2500	3	Vapour mg/l
	alpha-Pinene	80-56-8	201-291-9	500	Not a∨ailable	Not a∨ailable	Not a∨ailable
	p-Cymene	99-87-6	202-796-7	4750	Not available	9.7	Vapour mg/l
Other information	NO DATA.						
SECTION 12: ECOLOGICAL INFORMATION							
12.1 Τοχιατγ	ΤΟΧΙς ΤΟ ΑQUATIC L	IFE WITH LON	g lasting e	FFECTS.			
12.2 Persistence & degradability	NO DATA.						
12.3 BIO-ACCUMULATIVE POTENTIAL	NO DATA.						
12.4 Mobility in soil	ΝΟ ΔΑΤΑ.						
12.5 RESULTS OF PBT & VPVB ASSESSMENT	DOES NOT MEET THE	CRITIERIA.					
12.6 Other adverse effects	DO NOT ALLOW PRO	DUCT TO ENT	ER STREAMS,	SEWERS OR OTH	IER WATERWA	YS.	
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. DISPOSE OF VIA A CERTIFIED DISPOSAL CONTRACTOR.

SECTION 14: TRANSPORT INFORMATION		
14.1 Transport Information		
	UN NO. ROAD: 3082	
UN NUMBER	UN No. SEA: 3082	
	UN No. AIR: 3082	
	IMDG: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (D-LIMONENE, ALPHA-PINENE),	
	MARINE POLLUTANT	
14.2	ADR, RID, ADN: Environmentally Hazardous Sunstance, Liquid, N.O.S. (d-Limionene,	
UN SHIPPING NAME	ALPHA-PINENE)	
	ICAO TI: ENVIRONMENTALLY HAZARDOUS SUNSTANCE, LIQUID, N.O.S. (D-LIMIONENE, ALPHA-	
	PINENE)	
	ADR/RID	
	ADR/RID- CLASS 9	
	ADR CLASSIFICATION CODE – M6	
	SPECIAL PROVISIONS – 274 335 375 601	
	Limited Quantities – 5L	
	EXPECTED QUANTITIES – E1	
	Emergency Action Code – •3Z	
	IMDG	
	IMDG - CLASS 9	
	SPECIAL PROVISIONS - 274 335 375 601	
14.3	Limited Quantities – 5L	
TRANSPORT HAZARD CLASS(ES)	EXPECTED QUANTITIES – E1	
	IMDG EMS – F-A, S-F	
	STOWAGE AND HANDLING – CATEGORY A	
	ΙCAO/ΙΑΤΑ	
	ICAO/IATA- CLASS 9	
	IATA PROPER SHIPPING NAME - ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.	
	EXPECTED QUANTITIES – E1	
	Transport Label:	
	ADR/RID PACKING GROUP: III	
14.4	IMDG PACKING GROUP: III	
PACKING GROUP	ICAO PACKING GROUP: III	
14.5	Environmentally Hazardous Substance/Marine Pollutant.	
ENVIROMENTAL HAZARDS		

	×	
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.	NOT APPLICABLE.	
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 TH 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	Acute Tox. 3 Acute Toxicity - Inhalation Category 3 Acute Tox. 4 Acute Toxicity - Oral Category 4 Acute Tox. 4 Acute Toxicity - Dermal Category 4 Acute Tox. 4 Acute Toxicity - Inhalation Category 4 Acute Tox. 4 Acute Toxicity - Inhalation Category 4 Acute Tox. 4 Acute Toxicity - Inhalation Category 4 Aquatic Categories 1 Hazardous to the Aquatic Environment - Acute Hazard Category 1 Aquatic Chronic 1 Hazardous to the Aquatic Environment - Long-term Hazard Category 2 Aquatic Chronic 2 Hazardous to the Aquatic Environment - Long-term Hazard Category 3 Asp. Tox 1 Aspiration Hazard Category 1 Eye Dam. 1 Eye Damage / Irritation Category 1 Eye Irrit. 2 Eye Damage / Irritation Category 2 Flam. Liq. 3 Flammable Liquid, Hazard Category 3 Flam. Sol. 2 Flammable Solid, Hazard Category 3 H326 Flammable Solid, Hazard Category 3 H326 Hammable Solid, Hazard Category 3 H326 Hammable Solid, Hazard Category 3 H327 Hammable Solid, Hazard Category 3 H334 May be fatal if swallowed and enters airways. H335 Causes skin Irritation. H336 Harmful in contact with skin. H337 May cause an allergic skin reaction. H331 Toxic IF Inhaled.

	H335 MAY CAUSE RESPIRATORY IRRITATION.
	H336 MAY CAUSE DROWSINESS OR DIZZINESS.
	H361 SUSPECTED OF DAMAGING FERTILITY OR THE UNBORN CHILD (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.
	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.
	P241 USE EXPLOSION-PROOF ELECTRICAL, VENTILATING AND LIGHTING EQUIPMENT. P242 USE ONLY NON-SPARKING TOOLS.
	P242 USE UNET NON-SPARNING 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 & POISON CENTER OR DOCTOR/PHYSICIAN.
	P301/312 IF SWALLOWED: CALL A POISON CENTER OR DOCTOR/PHYSICIAN IF YOU FEEL
	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.
	P308/313 IF EXPOSED OR CONCERNED: GET MEDICAL ADVICE/ATTENTION.
	P310 IMMEDIATELY CALL A POISON CENTER OR DOCTOR/PHYSICIAN.
	P311 CALL A POISON CENTRE 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. P403/233 Store in a well-ventilated place. Keep container tightly closed.
	P403/233/235 STORE IN A WELL-VENTILATED PLACE. KEEP CONTAINER TIGHTLY CLOSED. KEEP COOL.
	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 3 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) CATEGORY 3
	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. 1A Sensitization - Skin Category 1A
	SKIN SENS. 1B SENSITIZATION - SKIN CATEGORY 1B
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
2021	Reviewed
JANUARY 2023	REVIEW
14 [™] March 2023	Chnages in section 3.1

SPECIFICATION SHEET
PRODUCT NAME: LEMON MYRTLE, ESSENTIAL OIL
Product Inci: Backhousia Citriodora Leaf Oil
CAS NUMBER: 84775-80-4
EINECS NUMBER: 283-909-7
MANUFACTURING METHOD: STEAM DISTILLED
Shelf Life / Best Before: 24 months

ANALYTICAL DETAILS	RANGE		
Appearance	LIQUID		
COLOUR	Pale Yellow – Dark Yellow		
Odour	Characteristic, Fresh Lemon		
SPECIFIC GRAVITY @ 20°C	0.870 – 0.935		
Refractive Index @ 20°C	1.468 -1.499		
OPTICAL ROTATION (°C)	-10.0 то +10.0		

STORAGE CONDITIONS STORE IN A COOL DRY PLACE AWAY FROM HEAT & SUNLIGHT

DATE	ISSUED BY	VERSION	REASON FOR UPDATE
14/03/2023	J.G	2.0	Document Review

Date: 16-05-2023

Re: Vegan – Lemon Myrtle Essential Oil

We can confirm that the Lemon Myrtle Essential Oil supplied by the MADAR Corporation is suitable for Vegans.