CERTIFICATE OF ANALYSIS

PRODUCT NAME: LEMON, ESSENTIAL OIL ORGANIC

BATCH NUMBER: 4545305 PRODUCT INCI: CITRUS LIMON PEEL OIL CAS NUMBER: 8008-56-8 / 84929-31-7 EINECS NUMBER: 284-515-8 MANUFACTURING METHOD: EXPRESSED BEST BEFORE DATE: 06/2027

ANALYTICAL DETAILS	Range	RESULTS
Appearance	LIQUID	-
COLOUR	CLEAR YELLOW	-
Odour	CHARACTERISTIC, FRESH LEMON	-
SPECIFIC GRAVITY @ 25°C	0.840 - 0.870	0.851
Refractive Index @ 20°C	1.465 – 1.478	1.474
OPTICAL ROTATION (°C)	+55.0 то +85.0	CONFORM

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

ALLERGEN STATEMENT

PRODUCT NAME: LEMON, ESSENTIAL OIL ORGANIC

COSMETIC ALLERGENS

Annex Illa		CAS NUMBER:	TOTAL ALLERGEN	
Reference:		CAS NOWIDER.	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	4.5 - 5.0	
71	EUGENOL	97-53-0	0.000	
72	HYDROXY-CITRONELLAL	107-75-5	0.000	
73	ISO EUGENOL	97-54-1	0.000	
74	AMYLCIN-NAMYL ALCOHOL	101-85-9	0.000	
75	BENZYL SALICYLATE	118-58-1	0.000	
76	CINNAMAL	104-55-2	0.000	
77	COUMARIN	91-64-5	0.000	
78	GERANIOL	106-24-1	< 0.01	
70	HYDROXYISOHEXYL 3-CYCLOHEXENE	21006 04 4	0.000	
79	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	0.000	
83	BUTYLPHENYL METHYLPROPIONAL	80-54-6	0.000	
84	LINALOOL	78-70-6	< 0.3	
85	BENZYL BENZOATE	120-51-4	0.000	
86	CITRONELLOL	106-22-9	0.000	
87	HEXYL CINNAM-ALDEHYDE	101-86-0	0.000	
88	LIMONENE	5989-27-5	65 – 68	
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	

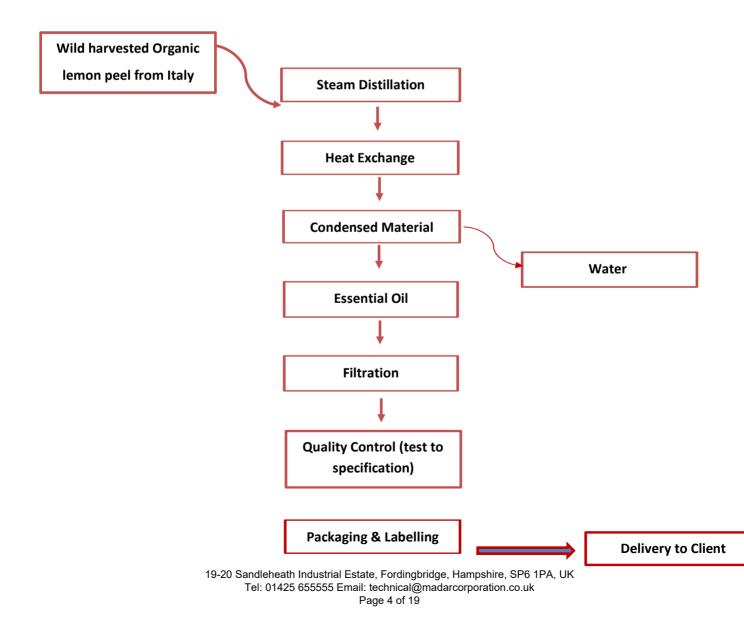
FOOD ALLERGENS

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

Composition Statement & Manufacturing Flow Chart

Lemon, Essential Oil Organic

INCI Name	% Inclusion	CAS Number
Citrus Limon Peel	100	8008-56-8



GMO Statement

PRODUCT NAME: Lemon Organic

MADAR Corporation Limited can confirm that the above listed product is GMO Free.

22-3-23

IFRA STATEMENT

PRODUCT NAME: LEMON, ESSENTIAL OIL ORGANIC

WE CERTIFY THAT THE ABOVE-MENTIONED MATERIAL CONFORMS TO THE IFRA 51 CODE OF PRACTICE AND CONTAINS THE FOLLOWING RESTRICTED COMPONENTS THAT ARE LISTED IN THE 51TH AMENDMENT OF THE IFRA CODE OF PRACTICE:

Restricted Component	Cas No:	% Level in Product	IFRA Standard
Citrus Limon Peel Oil	8008-56-8, 84929-31 <i>-</i> 7	≤ 100.00	Restriction Std
Citral	5392-40-5	≤ 1.0	Restriction Std
Citronellal	106-23-0	≤ 0.5	Restriction Std
Citronellyl acetate	150-84-5	≤ 0.1	Restriction Std
Geraniol	106-24-1	≤ 0. 1	Restriction Std
p-Mentha-1,8-dien-7-al	2111-75-3	≤ 0.01	Restriction Std
Limonene	5989-27-5	≤ 70.0	Specification Std
Linalool	78-70-6	≤ 0.1	Specification Std

IFRA Category	% Maximum Use Level
IFRA Category 1	2.00
IFRA Category 2	2.00
IFRA Category 3	2.00
IFRA Category 4	2.00
IFRA Category 5A	2.0
IFRA Category 5B	2.00
IFRA Category 5C	2.00
IFRA Category 5D	2.00
IFRA Category 6	2.00
IFRA Category 7A	37.52
IFRA Category 7B	2.00
IFRA Category 8	2.00
IFRA Category 9	Not limited
IFRA Category 10A	Not limited
IFRA Category 10B	2.00
IFRA Category 11A	9.56
IFRA Category 11B	2.00
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)	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 (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 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)

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, Essential O	IL ORGANIC			
BIOLOGICAL DEFINITION	CITRUS LIMON PEEL C RUTACEAE.	Dil is the volat	TILE OIL OBTAINED BY COLD COMPR	RESSION OF THE FRESH	H PEEL OF THE LEMON, CITRUS LIMON (L.),
INCI NAME	CITRUS LIMON PEEL C	Dil			
Synonyms & Trade Names	-				
INTERNAL PRODUCT CODE					
CAS-No	8008-56-8 / 84929-31-7	EC No.	284-515-8	EINECS No.	284-515-8
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 DATA 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)	FLAMMABLE LIQUID, HAZARD CATEGORY 3 SKIN CORROSION / IRRITATION CATEGORY 2 SENSITIZATION - SKIN CATEGORY 1 TOXIC TO REPRODUCTION CATEGORY 2 ASPIRATION HAZARD CATEGORY 1 HAZARDOUS TO THE AQUATIC ENVIRONMENT - ACUTE HAZARD CATEGORY 1 HAZARDOUS TO THE AQUATIC ENVIRONMENT - LONG-TERM HAZARD CATEGORY 1		
2.2 LABEL ELEMENTS	LABEL IN ACCORDANCE WITH REGULATION (EC) NO 1272/2008.		
GHS LABEL	GHS02 GHS07 GHS08 GHS09 GHS09		
Signal Word	Danger.		
Contains	d-Limonene, beta-Pinene, Gamma-Terpinene, Pinene alpha, laevo		
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. H361, SUSPECTED OF DAMAGING FERTILITY OR THE UNBORN CHILD (EXPOSURE ROUTE). H410, VERY TOXIC TO AQUATIC LIFE WITH LONG LASTING EFFECTS. H4111, TOXIC TO AQUATIC LIFE WITH LONG LASTING EFFECTS. 		
Precautionary Statements	 P202, DO NOT HANDLE UNTIL ALL SAFETY PRECAUTIONS HAVE BEEN READ AND UNDERSTOOD. P210, KEEP AWAY FROM HEAT, SPARKS, OPEN FLAMES AND HOT SURFACES NO SMOKING. P233, KEEP CONTAINER TIGHTLY CLOSED. P240, GROUND/BOND CONTAINER AND RECEIVING EQUIPMENT. P241, USE EXPLOSION-PROOF ELECTRICAL, VENTILATING AND LIGHTING EQUIPMENT. P242, USE ONLY NON-SPARKING TOOLS. P243, TAKE PRECAUTIONARY MEASURES AGAINST STATIC DISCHARGE. P261, AVOID BREATHING VAPOUR OR DUST. P264, WASH HANDS AND OTHER CONTACTED SKIN THOROUGHLY AFTER HANDLING. P272, CONTAMINATED WORK CLOTHING SHOULD NOT BE ALLOWED OUT OF THE WORKPLACE. P273, AVOID RELEASE TO THE ENVIRONMENT. P280, WEAR PROTECTIVE GLOVES/EYE PROTECTION/FACE PROTECTION. 		

SUPPLEMENTARY PRECAUTIONARY STATEMENTS	ΝΟ ΔΑΤΑ
_	SECTION 16 (OTHER INFORMATION): RISK & SAFETY PHRASES IN FULL.
2.3 DTHER HAZARDS	
Adverse physio-chemical properties	Hydrocarbon Concentration %: 96.0000
Adverse effects on human health	NO DATA
PBT OR VPVB ACCORDING TO ANNEX XIII	NO DATA
ECTION 3: COMPOSITION OF INGREDIEN	ITS
	50 - 100 % D-LIMONENE CAS-NO: 5989-27-5; EC NO.: 227-813-5
.2 MIXTURES	CLASSIFICATION (EC 1272/2008) FLAM. LIQ. 3-SKIN IRRIT. 2-SKIN SENS. 1B-ASP. TOX 1-AQUATIC ACUTE 1- AQUATIC CHRONIC 1; H226-H304-H315- H317-H410,-, M FACTOR (ACUTE) = 1. M FACTOR (CHRONIC) = 1
	5 - <10 % BETA-PINENECAS NO: 127-91-3 EC NO: -
	CLASSIFICATION (EC 1272/2008) FLAM. LIQ. 3-SKIN IRRIT. 2-SKIN SENS. 1B-ASP. TOX 1-AQUATIC ACUTE 1- AQUATIC CHRONIC 1; H226-H304-H315- H317-H410,-, M=1
	5-<10 % GAMMA-TERPINENE CAS NO: 99-85-4 EC NO: -
	CLASSIFICATION (EC 1272/2008) FLAM. LIQ. 3-REPR. 2- ASP. TOX 1;H226-H304-H361,-, ORAL: ATE = 3850 MG/R
	1 - <5% Myrcene CAS No: 123-35-3 EC No: -
	CLASSIFICATION (EC 1272/2008) FLAM. LIQ. 3-SKIN IRRIT. 2-EYE IRRIT. 2-ASP. TOX 1-AQUATIC ACUTE 1- AQUATIC CHRONIC 2; H226-H304-H315- H319-H400-H411,-, M=1
	0.1 - <1% NERYL ACETATE CAS NO: 141-12-8 EC NO: -
	Classification (EC 1272/2008) Skin Sens. 1B (H317) 1 -<5% Alpha-Pinene CAS No: 80-56-8
	Classification (EC 1272/2008) Flam. Liq. 3-Acute Tox. 4-Skin Irrit. 2-Skin Sens. 1B-Asp. Tox 1- Aquatic Acut 1- Aquatic Chronic 1; H226-H302-H304- H315-H317-H410,-, M = 1-oral: ATE = 500 mg/kg bw
	0.1 - <1% GERANYL ACETATE CAS NO: 105-87-3 EC NO: -
	Classification (EC 1272/2008) Skin Irrit. 2-Skin Sens. 1B-Aquatic Chronic 3; H315-H317-H412,- 0.1 -<1%
	CLASSIFICATION (EC 1272/2008) SKIN IRRIT. 2-EYE IRRIT. 2- SKIN SENS. 1B;H315-H317-H319,-, ORAL: ATE = 279 MG/KG BW
	0.1-<1% TERPINOLENE CAS NO: 586-62-9 EC NO: -
	Classification (EC 1272/2008) Flam. Liq. 3-Skin Sens. 1B-Asp. Tox 1-Aquatic Acute 1-Aquatic Chronic 1;H226-H304- H317-H410,-, M = 1-oral: ATE = 3775 mg/kg bw
	0.1 -<1% beta-Caryophyllene CAS NO: 87-44-5 EC NO: -
	CLASSIFICATION (EC 1272/2008) SKIN SENS. 1B-ASP. TOX 1-AQUATIC CHRONIC 4;H304-H317-H413,- 0.1 -<1% PARA-CYMENE
	Classification (EC 1272/2008) Flam. Liq. 3-Repr. 2- Asp. Tox 1-Aquatic Chronic 2;H226-H304-H361-H41 oral: ATE = 4750 mg/kg bw
	0.1 - <1% Geraniol CAS No: 106-24-1 EC No: -
	CLASSIFICATION (EC 1272/2008) SKIN IRRIT. 2-EYE IRRIT. 2- SKIN SENS. 1B;H315-H317-H319,-, DERMAL: ATE = 22

MG/KG BW
0.1 -<1% cis-alpha-Bisabolene Cas No : 29837-07-8 EC No : -
CLASSIFICATION (EC 1272/2008) SKIN IRRIT. 2-SKIN SENS. 1B-ASP. TOX 1;H304-H315-H317,-
0.1 - <1% NERAL CAS NO : 106-26-3 EC NO : 203-379-2
CLASSIFICATION (EC 1272/2008) SKIN IRRIT. 2-EYE IRRIT. 2- SKIN SENS. 1B;H315-H317-H319,-, DERMAL: ATE = 2250 MG/KG BW

SECTION 4: FIRST AID MEASURES

4.1	
DESCRIPTION OF FIRST AID MEASURES	
GENERAL INFORMATION	ALWAYS REMOVE CONTAMINATED CLOTHING IMMEDIATELY.
INHALATION	IMMEDIATE MEDICAL ATTENTION IS NOT REQUIRED. IF SYMPTOMS PERSIST, CALL A PHYSICIAN. MOVE TO
INHALATION	FRESH AIR IN CASE OF ACCIDENTAL INHALATION OF VAPORS OR DECOMPOSITION PRODUCTS.
Ingestion	CLEAN MOUTH WITH WATER AND DRINK AFTERWARDS PLENTY OF WATER. NEVER GIVE ANYTHING BY MOUTH
INGESTION	TO AN UNCONSCIOUS PERSON. CALL A PHYSICIAN. DO NOT INDUCE VOMITING.
Skin Contact	REMOVE CONTAMINATED CLOTHES. WASH THOROUGHLY WITH SOAP AND WATER. CONTACT PHYSICIAN IF IRRITATION PERSISTS.
EYE CONTACT	Flush immediately with water for at least 15 minutes. Contact physician if symptoms persist.
4.2	MAY BE FATAL IF SWALLOWED AND ENTERS AIRWAYS.
4.2 Most important symptoms & effects (Acute &	CAUSES SKIN IRRITATION.
DELAYED)	MAY CAUSE AN ALLERGIC SKIN REACTION.
DELATED)	SUSPECTED OF DAMAGING FERTILITY OR THE UNBORN CHILD (EXPOSURE ROUTE).
4.3	
INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION OR	TREAT SYMPTOMATICALLY.
SPECIAL TREATMENT REQUIRED	

SECTION 5: FIRE FIGHTING MEASURES

FOAM, CO2, DRY CHEMICAL POWDER.	
BURNING PRODUCES IRRITATING, TOXIC AND OBNOXIOUS FUMES	
SPECIAL PROTECTIVE EQUIPMENT 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	REFER & CONSIDER SECTION 8.
REFERENCES TO OTHER SECTIONS	REFER & CONSIDER SECTION 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 AND HOT SURFACES NO SMOKING. USE PERSONAL PROTECTIVE EQUIPMENT AS REQUIRED. USE IN ACCORDANCE WITH GOOD MANUFACTURING AND INDUSTRIAL HYGIENE PRACTICES. USE IN AREAS WITH ADEQUATE VENTILATION DO NOT EAT, DRINK OR SMOKE WHEN USING THIS PRODUCT.
7.2 Conditions for safe storage, including any incompatibilities	KEEP THE PRODUCT CONTAINER TIGHTLY CLOSED, IN A DRY, VENTILATED AREA. KEEP AWAY FROM POTENTIAL SOURCES OF IGNITION AND PROTECTED FROM LIGHT. MAINTAIN LIMITED CONTACT WITH OXYGEN.
7.3 Specific end 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.
	WEAR PROTECTIVE GLOVES/EYE PROTECTION/FACE PROTECTION. WEAR PROTECTIVE GLOVES/EYE PROTECTION/FACE PROTECTION.
Respiratory Equipment	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.
Respiratory Equipment Hygiene Measures	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
	VAPOUR, THIS MATERIAL SHOULD NOT REQUIRE SPECIAL ENGINEERING CONTROLS. HOWEVER, IN CONDITIONS OF HIGH OR PROLONGED USE, OR HIGH TEMPERATURE OR OTHER CONDITIONS WHICH INCREASE EXPOSURE, THE FOLLOWING ENGINEERING CONTROLS CAN BE USED TO MINIMISE EXPOSURE TO PERSONNEL: A) INCREASE VENTILATION OF THE AREA WITH LOCAL EXHAUST VENTILATION. B) PERSONNEL CAN USE AN APPROVED, APPROPRIATELY FITTED RESPIRATOR WITH ORGANIC VAPOUR CARTRIDGE OR CANISTERS AND PARTICULATE FILTERS. C) USE CLOSED SYSTEMS FOR TRANSFERRING AND PROCESSING THIS MATERIAL. ALSO REFER TO SECTIONS 2 AND 7.
Hygiene Measures	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. GOOD PERSONAL HYGIENE PRACTICES ARE ALWAYS ADVISABLE, ESPECIALLY WHEN WORKING WITH CHEMICALS / OILS.
Hygiene Measures Engineering Measures	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 EXHAUS 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. GOOD PERSONAL HYGIENE PRACTICES ARE ALWAYS ADVISABLE, ESPECIALLY WHEN WORKING WITH CHEMICALS / OILS. PROVIDE ADEQUATE VENTILATION.
Hygiene Measures Engineering Measures Skin Protection	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 EXHAUS 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. GOOD PERSONAL HYGIENE PRACTICES ARE ALWAYS ADVISABLE, ESPECIALLY WHEN WORKING WITH CHEMICALS / OILS. PROVIDE ADEQUATE VENTILATION.
Hygiene Measures Engineering Measures Skin Protection Personal Protection	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 EXHAUS 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. GOOD PERSONAL HYGIENE PRACTICES ARE ALWAYS ADVISABLE, ESPECIALLY WHEN WORKING WITH CHEMICALS / OILS. PROVIDE ADEQUATE VENTILATION. WEAR PROTECTIVE CLOTHING TO REDUCE THE RISK OF SKIN AND EYE CONTACT. AVOID INHALATION OF THE PRODUCT. AVOID CONTACT WITH SKIN AND EYES.

9.1 Physical & Chemical Properties	
Appearance	Liquid
COLOUR	Greenish - Yellow
Odour	CHARACTERISTIC - LEMON
RELATIVE DENSITY	0.848 – 0.861 @ 25°C
FLASH POINT (°C)	48°C
Refractive Index @ 20 °C	1.4710 – 1.4760 @ 20⁰C
Solubility in water @ 20 °C	NO DATA.
BOILING POINT OR INITIAL BOILING POINT AND BOILING RANGE (°C)	210°C
9.2 Other Information	NO DATA.
9.2.1 INFORMATION WITH REGARD TO PHYSICAL HAZARD CLASSES	NO DATA.
9.2.2 Other safety characteristics	NO DATA.
SECTION 10: STABILITY & REACTIVITY	
10.1	Presents no significant reactivity hazards, by itself or in contact with water. Stable under normal
REACTIVITY	TEMPERATURE AND STORAGE CONDITIONS AND RECOMMENDED USE.
10.2 Chemical stability	Stable under suggested storage conditions (<15 $^{\circ}$ C).
10.3 Possibility of hazardous reactions	NOT EXPECTED UNDER NORMAL CONDITIONS OF USE.
10.4 CONDITIONS TO AVOID	HEAT, FLAMES AND SPARKS.
10.5 Incompatible materials	AVOID CONTACT WITH STRONG ACIDS, ALKALIS OR 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	
Αсυτε Τοχιςιτγ	BASED ON AVAILABLE DATA THE CLASSIFICATION CRITERIA ARE NOT MET. ACUTE TOXICITY ORAL >5000 ACUTE TOXICITY DERMAL NOT APPLICABLE ACUTE TOXICITY INHALATION NOT AVAILABLE
Skin irritation	Skin Corrosion / Irritation Category 2
EYE DAMAGE OR IRRITATION	BASED ON AVAILABLE DATA THE CLASSIFICATION CRITERIA ARE NOT MET.
RESPIRATORY OR SKIN SENSITIVITY	Sensitization - Skin Category 1
GERM CELL MUTAGENICITY	BASED ON AVAILABLE DATA THE CLASSIFICATION CRITERIA ARE NOT MET.
Carcinogenicity	BASED ON AVAILABLE DATA THE CLASSIFICATION CRITERIA ARE NOT MET.
R EPRODUCTIVE TOXICITY	Toxic to Reproduction Category 2
STOT – SINGLE EXPOSURE	BASED ON AVAILABLE DATA THE CLASSIFICATION CRITERIA ARE NOT MET.
STOT – REPEATED EXPOSURE	BASED ON AVAILABLE DATA THE CLASSIFICATION CRITERIA ARE NOT MET.
Aspiration Hazard	Aspiration Hazard Category 1
11.2 Information on other hazards	ALPHA-PINENE CAS NO: 80-56-8, EC NO: 201-291-9 LD50/ATE ORAL: 500 LD50/ATE DERMAL: NOT AVAILABLE LC50/ATE INHALATION: NOT AVAILABLE

	LC50 ROUTE: NOT AVAILABLE
SECTION 12: ECOLOGICAL INFORMATION	
12.1	VERY TOXIC TO AQUATIC LIFE WITH LONG LASTING EFFECTS.
Τοχιςιτγ	TOXIC TO AQUATIC LIFE WITH LONG LASTING EFFECTS.
12.2 Persistence & degradability	NO ADDITIONAL INFORMATION AVAILABLE.
12.3 BIO- ACCUMULATIVE POTENTIAL	NO ADDITIONAL INFORMATION AVAILABLE.
12.4 Mobility in soil	NO ADDITIONAL INFORMATION AVAILABLE.
12.5 Results of PBT & VPVB assessment	This substance does not meet the PBT/vPvB criteria of REACH, annex XIII.
12.6 ENDOCRINE DISRUPTING PROPERTIES	NO ADDITIONAL INFORMATION AVAILABLE.
12.7 Other adverse effects	NO ADDITIONAL INFORMATION AVAILABLE.
SECTION 13: DISPOSAL INFORMATION	
13.1 Waste treatment methods	The containers used for this product must be completely empty before disposal. Dispose product and $/$ or contaminated packaging in accordance with local and international regulations. Disposal through the waste water is illegal.

SECTION 14: TRANSPORT INFORMATION	
14.1 Transport Information	
UN NUMBER	ROAD: 1197 RAIL: 1197 AIR: 1197
14.2 UN Shipping Name	IMDG : EXTRACTS, LIQUID (BETA-PINENE), MARINE POLLUTANT ADR, RID, ADN : EXTRACTS, LIQUID ICAO TI : EXTRACTS LIQUID
14.3 Transport hazard class(es)	IMDG : 3 ADR, RID, ADN : 3 ICAO TI : 3 TRANSPORT LABELS
14.4 Packing Group	ADR/RID/ADN PACKING GROUP III IMDG PACKING GROUP III ICAO PACKING GROUP III
14.5	Environmentally Hazardous Substance/Marine Pollutant

Enviromental Hazards	
14.6 Special precautions for user	CONTAINS CONSTITUENTS THAT ARE FLAMMABLE & DANGEROUS TO THE ENVIRONMENT.
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 2020/878 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL OF 18 [™] 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. 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 IRRIT. 2 EYE DAMAGE / IRRITATION CATEGORY 2 FLAM. LIQ. 3 FLAMMABLE LIQUID, HAZARD CATEGORY 3 H226 FLAMMABLE LIQUID AND VAPOUR. H302 HARMFUL IF SWALLOWED. H304 MAY BE FATAL IF SWALLOWED AND ENTERS AIRWAYS. H315 CAUSES SKIN IRRITATION. H317 MAY CAUSE AN ALLERGIC SKIN REACTION. H319 CAUSES SERIOUS EYE IRRITATION. H316 SUSPECTED OF DAMAGING FERTILITY OR THE UNBORN CHILD (EXPOSURE ROUTE). H400 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.
P202 DO NOT HANDLE UNTIL ALL SAFETY PRECAUTIONS HAVE BEEN READ AND UNDERSTOOD.
P210 KEEP AWAY FROM HEAT, SPARKS, OPEN FLAMES AND HOT SURFACES NO SMOKING.
P233 KEEP CONTAINER TIGHTLY CLOSED.
P240 GROUND/BOND CONTAINER AND RECEIVING EQUIPMENT.
P241 USE EXPLOSION-PROOF ELECTRICAL, VENTILATING AND LIGHTING EQUIPMENT.
P242 USE ONLY NON-SPARKING TOOLS.
P243 TAKE PRECAUTIONARY MEASURES AGAINST STATIC DISCHARGE.
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.
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.
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.
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.
P330 RINSE MOUTH.
P331 DO NOT INDUCE VOMITING.
P332/313 IF SKIN IRRITATION OCCURS: GET MEDICAL ADVICE/ATTENTION.
P333/313 IF SKIN IRRITATION OR RASH OCCURS: GET MEDICAL ADVICE/ATTENTION.
P337/313 IF EYE IRRITATION PERSISTS: GET MEDICAL ADVICE/ATTENTION.
P362 TAKE OFF CONTAMINATED CLOTHING AND WASH BEFORE REUSE.
P363 WASH CONTAMINATED CLOTHING BEFORE REUSE.
P370/378 In case of fire: Use carbon dioxide, dry chemical, foam for extinction.
P391 COLLECT SPILLAGE.
P403/235 STORE IN A WELL-VENTILATED PLACE. KEEP COOL.
P405 STORE LOCKED UP.
P501 DISPOSE OF CONTENTS/CONTAINER TO APPROVED DISPOSAL SITE, IN ACCORDANCE WITH LOCAL
REGULATIONS.
REPR. 2 TOXIC TO REPRODUCTION CATEGORY 2
Skin Irrit. 2 Skin Corrosion / Irritation Category 2
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
NOVEMBER 2020	Review
2021	Review
JANUARY 2023	REVIEW
7™ JULY 2023	CHANGES IN SECTION: 2, 3, 4, 8, 9, 11, 12, 14.

SPECIFICATION SHEET	
PRODUCT NAME: LEMON, ESSENTIAL OIL ORGANIC	
Product Inci: Citrus Limon Peel Oil	
CAS NUMBER: 8008-56-8 / 84929-31-7	
EINECS NUMBER: 284-515-8	
MANUFACTURING METHOD: EXPRESSED	
Shelf Life / Best Before: 24 months	
DOCUMENTATION REVIEW: 2024	

ANALYTICAL DETAILS	RANGE
APPEARANCE	LIQUID
COLOUR	COLOURLESS - YELLOW - GREEN
Odour	Characteristic, Fresh Lemon
Specific Gravity @ 25°C	0.840 - 0.870
REFRACTIVE INDEX @ 20°C	1.465 – 1.478
OPTICAL ROTATION (°C)	+55.0 то +85.0

STORAGE CONDITIONS

Store in a cool dry place away from heat & sunlight

Document Date: 22-3-23

STATEMENT

We hereby certify that our Lemeon Organic is suitable for vegetarians and vegans