### **CERTIFICATE OF ANALYSIS**

#### **PRODUCT NAME:** LEMON, ESSENTIAL OIL ORGANIC

BATCH NUMBER: 4507013 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: MAY 2025

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	+68.80

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	

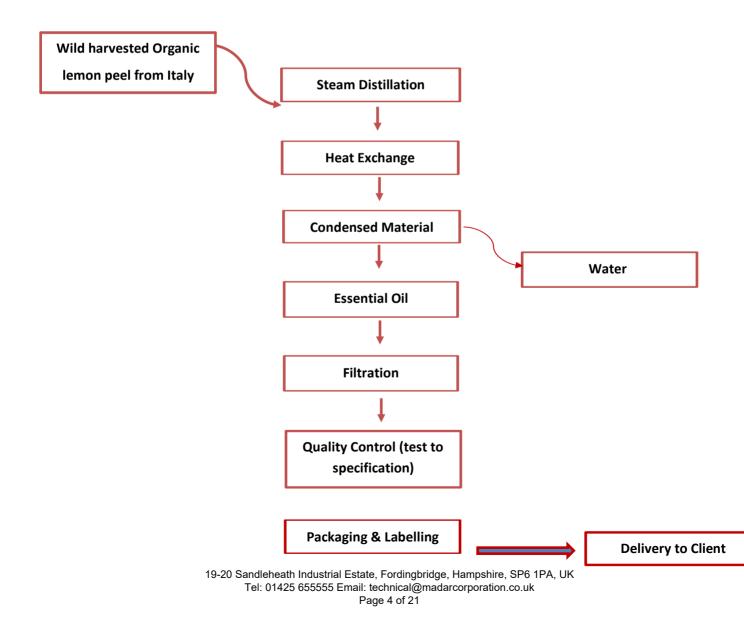
#### **FOOD ALLERGENS**

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

PRODUCT INCI: CITRUS LIMON PEEL OIL

MADAR COPORATION 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	65 – 68	Specification Std
Linalool	78-70-6	≤ 0.3	Specification Std
Citral	5392-40-5	9 - 10	Restriction Std
Geraniol	106-24-1	≤ 0.01	Restriction Std
Citronellal	106-23-0	≤ 0.01	Restriction
Geraniol	106-24-1	≤ 0.01	Restriction

IFRA Category	% Maximum Use Level
IFRA Category 1	2.157
IFRA Category 2	0.627
IFRA Category 3	1.961
IFRA Category 4	11.765
IFRA Category 5A	2.941
IFRA Category 5B	2.941
IFRA Category 5C	2.941
IFRA Category 5D	1.0
IFRA Category 6	6.863
IFRA Category 7A	3.922
IFRA Category 7B	3.922
IFRA Category 8	1.0
IFRA Category 9	23.529
IFRA Category 10A	23.529
IFRA Category 10B	40.0
IFRA Category 11A	1.0
IFRA Category 11B	1.0
IFRA Category 12	Not restricted

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 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, Essential Oi	L ORGANIC			
BIOLOGICAL DEFINITION	Citrus Limon Peel O Rutaceae.	IL IS THE VOLA	TILE OIL OBTAINED BY COLD COMPR	RESSION OF THE FRESI	h peel of the Lemon, Citrus limon (L.),
INCI NAME	CITRUS LIMON PEEL O	IL			
Synonyms & Trade Names	-				
INTERNAL PRODUCT CODE					
CAS-No	8008-56-8 / 84929-31 <i>-</i> 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@madarcorpo	ration.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)	ASPIRATION TOXICITY CATEGORY 1 - (H304) SKIN CORROSION/IRRITATION CATEGORY 2 - (H315) SERIOUS EYE DAMAGE/EYE IRRITATION CATEGORY 2 - (H319) SKIN SENSITIZATION CATEGORY 1B - (H317) REPRODUCTIVE TOXICITY CATEGORY 2 - (H361) ACUTE AQUATIC TOXICITY CATEGORY 1 - (H400) CHRONIC AQUATIC TOXICITY CATEGORY 1 - (H410) FLAMMABLE LIQUIDS CATEGORY 3 - (H226)		
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	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 H3161 - Suspected of damaging fertility or the unborn child H410 - Very toxic to aquatic life with long lasting effects H226 - Flammable liquid and vapor Contains Nervi acetate, Dextro Alpha-Pinene, Alpha-Pinene, Geranyl acetate EUH208 - Contains (.?). May produce an allergic reaction		
Precautionary Statements	<ul> <li>P210 - KEEP AWAY FROM HEAT/SPARKS/OPEN FLAMES/HOT SURFACES NO SMOKING</li> <li>P201 - OBTAIN SPECIAL INSTRUCTIONS BEFORE USE</li> <li>P202 - DO NOT HANDLE UNTIL ALL SAFETY PRECAUTIONS HAVE BEEN READ AND UNDERSTOOD</li> <li>P280 - WEAR PROTECTIVE GLOVES/PROTECTIVE CLOTHING/EYE PROTECTION/FACE PROTECTION</li> <li>P308 + P313 - IF EXPOSED OR CONCERNED: GET MEDICAL ADVICE/ATTENTION</li> <li>P301 + P310 - IF SWALLOWED: IMMEDIATELY CALL A POISON CENTER OR DOCTOR</li> <li>P301 + P352 - IF ON SKIN: WASH WITH PLENTY OF SOAP AND WATER</li> <li>P333 + P313 - IF SKIN IRRITATION OR RASH OCCURS: GET MEDICAL ADVICE/ATTENTION</li> <li>P305 + P351 + P338 - IF IN EYES: RINSE CAUTIOUSLY WITH WATER FOR SEVERAL MINUTES. REMOVE CONTACT LENSES, IF</li> <li>PRESENT AND EASY TO</li> <li>DO. CONTINUE RINSING</li> <li>P337 + P313 - IF EYE IRRITATION PERSISTS: GET MEDICAL ADVICE/ATTENTION</li> <li>P263 - AVOID CONTACT DURING PREGNANCY/WHILE NURSING</li> <li>P273 - AVOID RELEASE TO THE ENVIRONMENT</li> <li>P501 - DISPOSE OF CONTENTS/CONTAINER IN ACCORDANCE WITH LOCAL, REGIONAL, NATIONAL, AND INTERNATIONAL</li> <li>REGULATIONS AS APPLICABLE</li> </ul>		
SUPPLEMENTARY PRECAUTIONARY STATEMENTS	ΝΟ ΔΑΤΑ		
	Section 16 (Other Information): Risk & Safety phrases in full.		
2.3 Other Hazards			
Adverse physio-chemical properties	ΝΟ ΔΑΤΑ		
Adverse effects on human health	No data		
PBT OR VPVB ACCORDING TO ANNEX XIII	ΝΟ ΔΑΤΑ		

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

	≤ 60 – 70 % D-LIMONENE CAS-NO: 5989-27-5; EC NO.: 227-813-5
3.2 MIXTURES	CLASSIFICATION (EC 1272/2008) FLAM. LIQ. 3 - H226, SKIN IRRIT. 2 - H315, SKIN SENS. 1 - H317, ASP. TOX. 1 - H304 Aquatic Acute 1 - H400, Aquatic Chronic 1 - H410, M factor (Acute) = 1. M factor (Chronic) = 1
	10 – 20 % BETA-PINENE CAS NO: 127-91-3 EC NO: -
	Classification (EC 1272/2008) Acute Aquatic 1 (H400) (EFFA) Chronic Aquatic 1 (H410) (EFFA) Skin Sens. 1 (H317) (EFFA) Skin Irrit. 2 (H315) (EFFA) Asp. Tox. 1 (H304) (EFFA) Flam. Liq. 3 (H226)(EFFA)
	1 – 10 % GAMMA-TERPINENE CAS NO: 99-85-4 EC NO: -
	CLASSIFICATION (EC 1272/2008) REP 2 (H361), FLAM. LIQ. 3, ASPIR HAZ. 1 (H304), ACUTE TOX 5 (H303), SKIN IRRIT. 3 (H316)
	1 - 10% CITRAL CAS NO: 5392-40-5 EC NO: 226-394-6
	CLASSIFICATION (EC 1272/2008) SKIN IRRIT. 2 - H315, SKIN SENS. 1 - H317
	1 – 10 % PINENE ALPHA, LAEVO CAS NO: 7785-26-4 EC NO: -
	Classification (EC 1272/2008) Asp 1 (H304), Acute Tox 4 (H302), Skin Irr 2 (H315), Skin Sens 1 (H317), AcuteAquatic 1 (H400), Chronic Aquatic 1 (H410)
	1 – 10 % MYRCENE CAS NO: 123-35-3 EC NO: -
	Classification (EC 1272/2008) Eye Irrit. 2 (H319)(EFFA) Skin Irrit. 2(H315) (EFFA) Asp.Tox. 1 (H304) (EFFA)Flaz Iquid 3 (H226) (EFFA) Acute Aquatic 1 (H400) (EFFA) Chronic Aquatic 2 (H411) (EFFA)
	0.1 – 1.0 % NERYL ACETATE CAS NO: 141-12-8 EC NO: -
	CLASSIFICATION (EC 1272/2008) AQUATIC ACUTE 2 (H401), SKIN SENS. 1B (H317)
	0.1 – 1.0 % DEXTRO ALPHA-PINENE CAS NO: 7785-70-8 EC NO: -
	Classification (EC 1272/2008) Skin Sens. 1B (H317) (EFFA) Skin Irrit. 2 (H315) (EFFA) Asp. Tox. 1 (H304) (EFFA Acute Tox. 5 (H303)(EFFA) Flam. Liq. 3 (H226)(EFFA) Acute Aquatic 1 (H400) (EFFA) Chronic Aquatic 1 (H410) (EFFA)
	0.1 – 1.0 % ALPHA-TERPINEOL CAS NO: 98-55-5 EC NO: -
	CLASSIFICATION (EC 1272/2008) AQUATIC ACUTE 2. (H401) (EFFA) EYE IRRIT. 2 (H319) (EFFA) SKIN IRRIT. 2 (H315) (EFFA) ACUTE TOX. 5 (H303)(EFFA) FLAM. LIQ. 4 (H227)(EFFA)
	0.1 – 1.0 ALPHA-PINENE CAS NO: 80-56-8 EC NO: -
	Classification (EC 1272/2008) Acute Aquatic 1 (H400) (EFFA) Chronic Aquatic 1 (H410) (EFFA) Acute Tox. 4 (H302) (EFFA) Skin Sens. 1B (H317) (EFFA) Skin Irrit. 2 (H315) (EFFA) Asp. Tox. 1 (H304) (EFFA) Flam. Liq. 3 (H226)(EFFA)
	0.1 – 1.0 % GERANYL ACETATE CAS NO: 105-87-3 EC NO: -
	Classification (EC 1272/2008) Skin Sens. 1B (H317) Skin Irrit. 2 (H315) Aquatic Chronic 3 (H412) Aquatic Acute 2 (H401)
	0.1-1.0 % SABINENE CAS NO: 3387-41-5 EC NO: -
	Classification (EC 1272/2008) Aspiration cat 1 (H304), Flam cat 3 (H226), Skin Irri cat 2 (H315), Skin sensi ca 1B (H317), Acute aquatic cat 1 (H400), Chronic aquatic cat 1 (H410)
	0.1 – 1.0% LINALOOL CAS NO: 78-70-6 EC NO: -
	CLASSIFICATION (EC 1272/2008) AQUATIC ACUTE 3 (H402) (EFFA) EYE IRRIT. 2 (H319) (EFFA) SKIN IRRIT. 2 (H315) (EFFA) ACUTE TOX. 5 (H303)(EFFA) FLAM. LIQ. 4 (H227)(EFFA) SKIN SENS. 1B (H317)(EFFA)
	0.1-1.0 % TERPINOLENE CAS NO: 586-62-9 EC NO: -
	Classification (EC 1272/2008) Aquatic Acute 1 (H400) (EFFA) EFFA) Aquatic Chronic 1 (H410) (EFFA) Asp.Toy 1 (H304) (EFFA) Acute Tox. 5 (H303)(EFFA) Flam. Liq. 4 (H227)(EFFA) Skin Irrit. 3 (H316) (EFFA) Skin Sens. 1 (H317) (EFFA)

0.1 -1.0 % EUCALYPTOL CAS NO: 470-82-6 EC NO: -
Classification (EC 1272/2008) Skin Irrit. 3 (H316) (EFFA) Acute Tox. 5 (H303)(EFFA) Flam. Liq. 3 (H226)(EFFA) Skin Sens. 1B (H317) (EFFA)
0.1 – 1.0 % Caryophyllene CAS No: 87-44-5 EC No: -
Classification (EC 1272/2008) Skin Sens. 1B (H317) (EFFA) Asp. Tox. 1 (H304) (EFFA) Chronic Aquatic 4 (H413) (EFFA)
0.01 – 0.1 % DELTA-3-CARENE CAS NO: 13466-78-9 EC NO: -
CLASSIFICATION (EC 1272/2008) SKIN SENS. 1 (H317) (EFFA) SKIN IRRIT. 2 (H315) (EFFA) ASP. TOX. 1 (H304) (EFFA) ACUTE TOX. 5 (H303)(EFFA) FLAM. LIQ. 3 (H226)(EFFA) ACUTE AQUATIC 1 (H400)(EFFA) CHRONIC AQUATIC 1 (H410) (EFFA)
0.01 - 0.1 % PARA-CYMENE CAS NO: 99-87-6 EC NO: -
Classification (EC 1272/2008) Rep Tox. 2 (H361), Aquatic Acute 2 (H401), Skin Irrit. 3 (H316), Aquatic Chronic 2 (H411), Asp. Tox. 1 (H304), Acute Tox. 5 (H303),Flam. Liq. 3 (H226)
0.01 – 0.1 % TRANS BETA-OCIMENE CAS NO: 3779-61-1 EC NO: -
Classification (EC 1272/2008) Acute Tox. 5 (H303) (EFFA) Asp. Tox. 1 (H304) (EFFA) Skin Irrit. 2 (H315) (EFFA) Acute Aquatic 1 (H400) (EFFA) Chronic Aquatic 2 (H411) (EFFA) Flam. Liq. 3 (H226) (EFFA)
0.01 – 0.1 % ALPHA-PHELLANDRENE CAS NO: 99-83-2 EC NO: -
CLASSIFICATION (EC 1272/2008) SKIN IRRIT. 3 (H316) (EFFA) ASP. TOX. 1 (H304) (EFFA) FLAM. LIQ. 3 (H226)(EFFA)
0.1 – 1.0 % BETA-BISABOLENE CAS NO: 495-61-4 EC NO: -
 CLASSIFICATION (EC 1272/2008) SKIN SENS. 1 (H317) (EFFA) SKIN IRRIT. 2 (H315) (EFFA) ASP. TOX. 1 (H304) (EFFA)
< 0.01% GERANIOL CAS NO: 106-24-1 EC NO: -
Classification (EC 1272/2008) Skin Sens. 1B (H317) Skin Irrit. 2 (H315) Eye Dam. 1 (H318) Aquatic Acute 3 (H402) Acute Tox. 5 (Oral)(H303)
< 0.01% CITRONELLAL CAS NO: 106-23-0 EC NO: -
CLASSIFICATION (EC 1272/2008) FLAM. LIQ. 4 (H227)(EFFA) ACUTE TOX. 5 (H303)(EFFA) ACUTE TOX. 5 (H313)(EFFA) SKIN IRRIT. 2 (H315)(EFFA) EYE IRRIT. 2A (H319)(EFFA) SKIN SENS. 1B (H317)(EFFA) AQUATIC ACUTE 2 (H401)(EFFA)

SECTION 4: FIRST AID MEASURES	
4.1	
DESCRIPTION OF FIRST AID MEASURES	
GENERAL INFORMATION	ALWAYS REMOVE CONTAMINATED CLOTHING IMMEDIATELY.
	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 Most important symptoms & effects (Acute & Delayed)	ΝΟ ΔΑΤΑ
4.3	
INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION OR	TREAT SYMPTOMATICALLY.
SPECIAL TREATMENT REQUIRED	

SECTION 5: FIRE FIGHTING MEASURES		
5.1 EXTINGUISHING MATERIAL	FOAM, CO2, DRY CHEMICAL POWDER.	
5.2 SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE	BURNING PRODUCES IRRITATING, TOXIC AND OBNOXIOUS FUMES	
5.3 Advice for fire-fighters	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 References to other sections	REFER & CONSIDER SECTION 8. 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)	NO DATA.

### SECTION 8: EXPOSURE CONTROLS & PERSONAL PROTECTION

Chemical Name	European Union	United Kingdom	France	Spain	Germany
d-Limonene 5989-27-5			TWA: 1000 mg/m <sup>3</sup> STEL: 1500 mg/m <sup>3</sup>	S* TWA: 30 ppm TWA: 168 mg/m <sup>3</sup>	TWA: 5 ppm TWA: 28 mg/m <sup>3</sup> Ceiling / Peak: 20 ppr Ceiling / Peak: 112 mg/m <sup>3</sup> Skin
beta-Pinene 127-91-3	-	-	TWA: 1000 mg/m <sup>3</sup> STEL: 1500 mg/m <sup>3</sup>	TWA: 20 ppm TWA: 113 mg/m <sup>3</sup>	-
gamma-Terpinene 99-85-4	20	12	TWA: 1000 mg/m <sup>3</sup> STEL: 1500 mg/m <sup>3</sup>	-	101
Citral 5392-40-5	520	12	121	S* TWA: 5 ppm	120
Myrcene 123-35-3			TWA: 1000 mg/m <sup>3</sup> STEL: 1500 mg/m <sup>3</sup>	-	( <b>a</b> n)
Dextro alpha-Pinene 7785-70-8	2 20	150	TWA: 1000 mg/m <sup>3</sup> STEL: 1500 mg/m <sup>3</sup>	100	10761
alpha-Pinene 80-56-8	1920	100	TWA: 1000 mg/m <sup>3</sup> STEL: 1500 mg/m <sup>3</sup>	TWA: 20 ppm TWA: 113 mg/m <sup>3</sup>	229
Sabinene 3387-41-5	1. S. S.	-	TWA: 1000 mg/m <sup>3</sup> STEL: 1500 mg/m <sup>3</sup>		8 <b>-</b> 53
Terpinolene 586-62-9		1053	TWA: 1000 mg/m <sup>3</sup> STEL: 1500 mg/m <sup>3</sup>		10 <b>7</b> 1
delta-3-Carene 13466-78-9	1920	526	TWA: 1000 mg/m <sup>3</sup> STEL: 1500 mg/m <sup>3</sup>	TWA: 20 ppm TWA: 113 mg/m <sup>3</sup>	848
para-Cymene 99-87-6	(**)	-	TWA: 150 mg/m <sup>3</sup> TWA: 1000 mg/m <sup>3</sup> STEL: 1500 mg/m <sup>3</sup>	-	8-81
trans beta-Ocimene 3779-61-1	12	1220	TWA: 1000 mg/m <sup>3</sup> STEL: 1500 mg/m <sup>3</sup>	-	220
alpha-Phellandrene 99-83-2	1 <b>=</b> 1	1.4	TWA: 1000 mg/m <sup>3</sup> STEL: 1500 mg/m <sup>3</sup>	(1 <b>2</b> 1)	
Chemical Name	Italy	Portugal	Netherlands	Finland	Denmark
d-Limonene 5989-27-5	5525	1970 1970	5 STA S	TWA: 25 ppm TWA: 140 mg/m <sup>3</sup> STEL: 50 ppm STEL: 280 mg/m <sup>3</sup>	150
beta-Pinene 127-91-3	1	TWA: 20 ppm	101	1950	370
alpha-Pinene 80-56-8	62	TWA: 20 ppm	82-8	120	25200
delta-3-Carene 13466-78-9	-	TWA: 20 ppm		1997	8.43
para-Cymene 99-87-6	1.51	670	-	1.00	TWA: 25 ppm TWA: 135 mg/m <sup>3</sup>
Chemical Name	Austria	Switzerland	Poland	Norway	Ireland
d-Limonene 5989-27-5	- 251	STEL: 14 ppm STEL: 80 mg/m <sup>3</sup> TWA: 7 ppm TWA: 40 mg/m <sup>3</sup>	859	TWA: 25 ppm TWA: 140 mg/m <sup>3</sup> STEL: 37.5 ppm STEL: 175 mg/m <sup>3</sup>	1014
beta-Pinene 127-91-3	2.57	Skin STEL: 40 ppm STEL: 224 mg/m <sup>3</sup> TWA: 20 ppm TWA: 112 mg/m <sup>3</sup>	-	TWA: 25 ppm TWA: 140 mg/m <sup>3</sup> STEL: 37.5 ppm STEL: 175 mg/m <sup>3</sup>	.=1
Citral 5392-40-5	9 2.51	81 <del></del> 6	STEL: 54 mg/m <sup>3</sup> TWA: 27 mg/m <sup>3</sup>	1254	3 <del>7</del> 3
Myrcene 123-35-3		8 <u>1</u> 8		TWA: 40 ppm TWA: 275 mg/m <sup>3</sup> STEL: 60 ppm STEL: 343.75 mg/m <sup>3</sup>	
alpha-Pinene 80-56-8	335	Skin STEL: 40 ppm STEL: 224 mg/m <sup>3</sup> TWA: 20 ppm TWA: 112 mg/m <sup>3</sup>		TWA: 25 ppm TWA: 140 mg/m <sup>3</sup> Skin STEL: 37.5 ppm STEL: 175 mg/m <sup>3</sup>	120
delta-3-Carene 13466-78-9	1022	Skin STEL: 40 ppm STEL: 224 mg/m <sup>3</sup> TWA: 20 ppm TWA: 112 mg/m <sup>3</sup>	58	TWA: 25 ppm TWA: 140 mg/m <sup>3</sup> STEL: 37.5 ppm STEL: 175 mg/m <sup>3</sup>	120

8.1 Control Parameters

8.2 EXPOSURE CONTROLS	
EYE PROTECTION	WEAR PROTECTIVE GLOVES/EYE PROTECTION/FACE PROTECTION.
HAND 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.
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.

### SECTION 9: PHYSICAL & CHEMICAL PROPERTIES

9.1 Physical & Chemical Properties	
Appearance	Liquid
COLOUR	COLOURLESS - YELLOW
Odour	CHARACTERISTIC - LEMON
RELATIVE DENSITY	0.848 – 0.861 @ 25°C
FLASH POINT (°C)	48°C
<b>REFRACTIVE INDEX @ 20</b> °C	1.4710 – 1.4760 @ 20⁰C
Solubility in water @ 20 °C	NO DATA.
AUTO-IGNITION TEMPERATURE (°C)	NO DATA.
9.2 Other Information	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°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	P.V.C

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	THE FOLLOWING VALUES ARE CALCULATED BASED ON CHAPTER 3.1 OF THE GHS DOCUMENT         ATEMIX (ORAL) >2,000.00 MG/KG         ATEMIX (DERMAL) >5,000.00 MG/KG         90.4487 % OF THE MIXTURE CONSISTS OF INGREDIENT(S) OF UNKNOWN ACUTE DERMAL TOXICITY.         95.5488 % OF THE MIXTURE CONSISTS OF INGREDIENT(S) OF UNKNOWN ACUTE INHALATION TOXICITY (GAS)         95.5488 % OF THE MIXTURE CONSISTS OF INGREDIENT(S) OF UNKNOWN ACUTE INHALATION TOXICITY (VAPOR)         95.5488 % OF THE MIXTURE CONSISTS OF INGREDIENT(S) OF UNKNOWN ACUTE INHALATION TOXICITY (VAPOR)         95.5488 % OF THE MIXTURE CONSISTS OF INGREDIENT(S) OF UNKNOWN ACUTE INHALATION TOXICITY (UAST/MIST)	
Skin irritation	Irritating to skin.	
EYE DAMAGE OR IRRITATION	CAUSES SERIOUS EYE IRRITATION.	
RESPIRATORY OR SKIN SENSITIVITY	MAY CAUSE SENSITISATION BY SKIN CONTACT.	
GERM CELL MUTAGENICITY	NOT CLASSIFIED.	
CARCINOGENICITY	NOT CLASSIFIED.	
<b>R</b> EPRODUCTIVE TOXICITY	SUSPECTED OF DAMAGING FERTILITY OR THE UNBORN CHILD. CONTAINS A KNOWN OR SUSPECTED REPRODUCTIVE TOXIN. GAMMA-TERPINENE. PARA-CYMENE.	
<b>STOT –</b> SINGLE EXPOSURE	NOT CLASSIFIED.	
STOT – REPEATED EXPOSURE	NOT CLASSIFIED.	
Aspiration Hazard	MAY BE FATAL IF SWALLOWED AND ENTERS AIRWAYS (H304).	
Other Information	NO DATA.	

#### **SECTION 12: ECOLOGICAL INFORMATION**

	Chemical Name	Crustacea	Algae/aquatic plants	Fish
	d-Limonene	48hr EC50 - 0.4 mg/L (Daphnia magna)	96 hr NOEC - 4mg/L (Green algae)	96hr LC50 - 0.7mg/L (Pimephales promelas)
	Citral	7: 48 h Daphnia magna mg/L EC50		4.6 - 10: 96 h Leuciscus idus mg/L LC50 static
	alpha-Terpineol	48hr EC50 - 73 mg/l (Daphnia magna)	72hr EC50 - 68mg/l	96hr LC50 - 62 to 80 mg/L (Danio rerio)
2.1 סxוכודץ	Linalool	48hr EC50 - 59mg/L (Daphnia magna)	96hr EC50 - 156.7 mg/L; EC10 or NOEC - 54.3 mg/L (Desmodesmus subspicatus)	96hr LC50 - 27.8mg/L (Salmo gairdneri)
	alpha-Pinene	41: 48 h Daphnia magna mg/L LC50		0.28: 96 h Pimephales promelas mg/L LC50 static
	Eucalyptol	48hr EC50/LC50 - 100 mg/L (Daphnia magna)	72hr EC50 - 74 mg/L, EC10 or NOEC - 37 mg/L (Pseudokirchneriella subcapitata)	96 HR LC50 for freshwater fish - 57 mg/L (Oncorhynchus mykiss)
	para-Cymene	72hr ErC50 - 4.03 mg/L, NOErC - 1.4 mg/L (Scenedesmus	48hr EC50 - 100 mg/L	96hr LC50 - 48 mg/L (Cyprinodon variegatus)
12.2 Persistence & degradability	NO ADDITIONAL INFO	RMATION AVAILABLE.		
2.3	NO ADDITIONAL INFO	ρματιών αναίι αρι ε		
IO- ACCUMULATIVE POTENTIAL				
2.4 IOBILITY IN SOIL	NO ADDITIONAL INFO	NO ADDITIONAL INFORMATION AVAILABLE.		
2.5 ESULTS OF PBT & VPVB ASSESSMENT	NO ADDITIONAL INFO	NO ADDITIONAL INFORMATION AVAILABLE.		

OTHER ADVERSE EFFECTS	
SECTION 13: DISPOSAL INFORMATION	<u>/</u>
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		
	ROAD: 1993	
UN NUMBER	RAIL: 1993	
	AIR: 1993	
I 4.2 JN Shipping Name	Flammable liquid, n.o.s.	
14.3 TRANSPORT HAZARD CLASS(ES)	IMDC         14.1 UN/ID NO 1993         14.2 PROFER SHIPPING NAME FLAMMABLE LIQUID, N.O.S.         14.3 HAZARD CLASS 3         14.4 PACKING GROUP III         Description (Limonene)         14.5 MARINE POLILITANT THIS PRODUCT CONTAINS A CHEMICAL WHICH IS LISTED AS A MARINE POLIUTANT ACCORDING TO         IMDG/IMO         ENVIRONMENTAL HAZARD YES         14.6 SPECIAL PROVISIONS 223, 274, 955         EMS.NO F-E, S-E         14.7 TRANSPORT IN BULK ACCORDING TO         ANNEX II OF MARPOL 73/78 AND THE IBC CODE         14.1 UN/ID NO 1993         14.2 PROPER SHIPPING NAME FLAMMABLE LIQUID, N.O.S.         14.3 HAZARD CLASS 3         14.4 PACKING GROUP III         Description (Limonene)         14.5 ENVIRONMENTAL HAZARD YES         14.6 SPECIAL PROVISIONS NONE <b>ADR</b> 14.1 UN/ID NO 1993         14.2 PROPER SHIPPING NAME FLAMMABLE LIQUID, N.O.S.         14.3 HAZARD CLASS 3         14.4 PACKING GROUP III         DESCRIPTION (LIMONENE)         14.5 ENVIRONMENTAL HAZARD YES         14.6 SPECIAL PROVISIONS 274, 601         CLASSIFICATION CODE F1         TUNNEL RESTRICTION CODE (D/E) <b>ICAO (AR)</b> 14.1 UN/ID NO 1993         14.2 PROPER SHIPPING NAME FLA	

	IATA 14.1 UN/ID NO 1993 14.2 PROPER SHIPPING NAME FLAMMABLE LIQUID, N.O.S. 14.3 HAZARD CLASS 3 14.4 PACKING GROUP III DESCRIPTION (LIMONENE) 14.5 ENVIRONMENTAL HAZARD YES 14.6 SPECIAL PROVISIONS A3 ERG CODE E1 TRANSPORT LABELS
14.4 PACKING GROUP	ADR/RID/ADN PACKING GROUP III IMDG PACKING GROUP III
	ICAO PACKING GROUP III ENVIRONMENTALLY HAZARDOUS SUBSTANCE/MARINE POLLUTANT
14.5 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.	NO ADDITIONAL 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
Approved Code of Practice	NO 716). CLASSIFICATION & LABELLING OF SUBSTANCES & PREPARATIONS DANGEROUS FOR SUPPLY. SAFETY DATA
Guidance Notes	SHEETS FOR SUBSTANCES & PREPARATIONS.
GUIDANCE NOTES	WORKPLACE EXPOSURE LIMITS EH40. CHIP FOR EVERYONE HSG 108.

SECTION 16: OTHER INFORMATION	
HAZARD AND/ OR PRECAUTIONARY STATEMENTS IN FULL	H226 - FLAMMABLE LIQUID AND VAPOR H227 - COMBUSTIBLE LIQUID H302 - HARMFUL IF SWALLOWED H303 - MAY BE HARMFUL IF SWALLOWED H304 - MAY BE FATAL IF SWALLOWED AND ENTERS AIRWAYS H313 - MAY BE FATAL IF SWALLOWED AND ENTERS AIRWAYS H315 - CAUSES SKIN IRRITATION H316 - CAUSES SKIN IRRITATION H317 - MAY CAUSE AN ALLERGIC SKIN REACTION H319 - CAUSES SERIOUS EYE IRRITATION H361 - SUSPECTED OF DAMAGING FERTILITY OR THE UNBORN CHILD H400 - VERY TOXIC TO AQUATIC LIFE H401 - TOXIC TO AQUATIC LIFE H402 - HARMFUL TO AQUATIC LIFE H410 - VERY TOXIC TO AQUATIC LIFE 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
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 <sup>™</sup> April 2018	DATA LAUNCH
NOVEMBER 2020	Review
2021	Review
JANUARY 2023	REVIEW

### **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: 36 MONTHS

ANALYTICAL DETAILS	RANGE
Appearance	LIQUID
COLOUR	CLEAR YELLOW LIQUID
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

DOCUMENTATION REVIEW DATE:

2021

Document Date: 22-3-23

#### **STATEMENT**

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