CERTIFICATE OF ANALYSIS

PRODUCT DESCRIPTION

LIME OIL CP ORANGE-BROWN TO DARK GREEN LIQUID

Best Before

February 2027

ANALYSIS	RESULTS	SPECIFICATION	
Refractive Index 20degC	1.484	>= 1.470 <= 1.490	
Optical Rotation	50.0	>= 46.0 _ <= 66.0	
Density (g/ml,20c)	0.874	>= 0.860 <= 0.885	

Allergen Analysis

Compound Name : LIME OIL CP

ingredient	CAS No.	Concentration present as a percentage (%) or 'A' for absent in		
ngreuent	CAS NO.	Added as such	From natural & other sources	Total
alpha-iso-Methylionone	127-51-5	A	А	
Amyl Cinnamal	122-40-7	A	А	
Amylcinnamyl Alcohol	101-85-9	A	А	
Anise Alcohol	105-13-5	A	А	
Benzyl Alcohol	100-51-6	A	А	
Benzyl Benzoate	120-51-4	A	А	
Benzyl Cinnamate	103-41-3	A	А	
Benzyl Salicylate	118-58-1	A	А	
Butylphenyl Methylpropional (Lilial)	80-54-6	A	А	
Cinnamal	104-55-2	A	А	
Cinnamyl Alcohol	104-54-1	A	А	
Citral	5392-40-5	A	2.23	2.2
Citronellol	106-22-9	A	А	
Coumarin	91-64-5	A	А	
Eugenol	97-53-0	A	А	
Evernia Furfuraceae (Tree Moss) Extract	90028-67-4	A	А	
Evernia Prunastri (Oak Moss) Extract	90028-68-5	A	А	
Farnesol	4602-84-0	A	А	
Geraniol	106-24-1	A	А	
Hexyl Cinnamal	101-86-0	A	А	
Hydoxycitronellal	107-75-5	A	А	
Hydroxyisohexyl 3-Cyclohexene Carboxaldehyde (Lyral)	31906-04-4	A	А	
Isoeugenol	97-54-1	A	А	
Limonene	5989-27-5	A	59.32	59.3
Linalool	78-70-6	A	0.01	0.0
Methyl 2-Octynoate	111-12-6	A	A	

Food Allergen Declaration

According to 2007/68/EC

Compound Name : LIME OIL CP

We have carefully reviewed the ingredients in this product.

Allergen Source	Present
Celery and products thereof	No
Crustaceans and products thereof	No
Eggs and products thereof	No
Fish and products thereof	No
Cereals containing gluten (i.e. wheat, rye, barley, oats, spelt, kamut or their hybridised strains) and products thereof	No
Lupin and products thereof	No
Milk and products thereof (including lactose)	No
Molluscs and products thereof	No
Mustard and products thereof	No
Nuts i.e. Almond, Hazelnut, Walnut, Cashew, Pecan nut, Brazil nut, Pistachio nut, Macadamia nut and Queensland nut and products thereof	No
Peanuts and products thereof	No
Sesame seeds and products thereof	No
Soybeans and products thereof	No
Sulphur dioxide and sulphites at concentrations of more than 10 mg/kg or 10 mg/litre expressed as SO2	No



Production of Lime Oil

GMO Declaration

According to 1829/2003/EC

Compound Name : LIME OIL CP

We have carefully reviewed the ingredients in this product for their potential genetically modified (GM) origin. The list includes ingredients which may be produced from other GM ingredients

Material	Present	Of GMO Origin
Chicory	No	-
Cotton	No	-
Maize	No	-
Potato	No	-
Rape	No	-
Soya	No	-
Sugar Beet	No	-
Tomato	No	-
Wheat	No	-

Product Name Lime Cold Pressed Code RCP-79510

We certify that the above product is in compliance with the Standards of the INTERNATIONAL FRAGRANCE ASSOCIATION (IFRA), 49th Amendment

to the IFRA Code of Practice (published January,2020), provided it is used in the following class(es) at a maximum concentration level of:

IFRA Class	Maximum level of use (%)
Category 1	2.44
Category 2	0.71
Category 3	2.22
Category 4	13.33
Category 5A	3.33
Category 5B	3.33
Category 5C	3.33
Category 5D	1.13
Category 6	7.78
Category 7A	4.44
Category 7B	4.44
Category 8	1.13
Category 9	26.67
Category 10A	26.67
Category 10B	93.33
Category 11A	1.13
Category 11B	1.13
Category 12	100

The IFRA Standards regarding use restrictions are based on safety assessments by the panel of experts of the RIFM and are enforced by the IFRA Scientific Committee.

This Certificate provides restrictions for use of the specified product based only on those materials restricted by IFRA Standards for the toxicity endpoint(s) described in each Standard. This Certificate does not provide certification of a comprehensive safety assessment of all product constituents. It is the ultimate responsibility of our customer to ensure the safety of the final product with other tests if necessary.

ANNEX : Definition of IFRA Classes 49th Amendment

IFRA class	Product application
Category 1	Lip Products of all types (solid and liquid lipsticks, balms, clear or colored, etc.)
0,	Children's toys
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, deocologne, etc.)
	Body sprays (including body mist)
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)
a <i>i</i> i	Facial masks for face and around the eyes
Category 4	Hydroalcoholic and non-hydroalcoholic 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
Catagon (EA	Scent strips for hydroalcoholic 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)
Category 5B	Facial toner
Category SD	Facial moisturizers and creams
Category 5C	Hand cream
category co	Nail care products including cuticle creams, etc.
	Hand sanitizers
Category 5D	Baby cream/lotion, baby oil, baby powders and talc
Category 6	Toothpaste
0,	Mouthwash, including breath sprays
	Toothpowder, strips, mouthwash tablets
Category 7A	Hair permanent or other hair chemical treatments (rinse-off) (e.g. relaxers), including rinse-off hair dyes
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
Category 8	Intimate wipes
	Tampons
	Baby wipes
<u> </u>	Toilet paper (wet)
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

IFRA class Product application Category 10A Hand wash laundry detergent (including concentrates)

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)
Category 10B	Animal sprays – sprays applied to animals of all types
	Air freshener sprays, manual, including aerosol and pump
	Aerosol/spray insecticides
Category 11A	Feminine hygiene conventional pads, liners, interlabial pads
	Diapers (baby and adult)
	Adult incontinence pant, pad
	Toilet paper (dry)
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 medicaldevice
0.1	Fertilizers, solid (pellet or powder)
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
	Dishwash 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)

SAFETY DATA SHEET Printed on 01 April 20 CLP: According to 2015/830/EU Version 2 Revised 31/03/2021 13: 52: 42 Section 1. Identification of the substance/mixture and of the company/undertak 1.1 Product I dentifier Product Name Product Name LIME OIL CP Code Number RCP-79510 Alternative Name REACH Reg No Not registered 1.2 Relevant identified uses of the substance or mixture and uses advised again Concentrated material for manufacturing purposes only 1.3 Details of the supplier of the safety data sheet Madar Corporation Limited 19 - 20 Sandleheath Industrial Estate
13:52:42 Section 1. Identification of the substance/mixture and of the company/undertakener in the substance/mixture and of the company/undertakener in the substance of the company/undertakener in the substance of the substance of the substance of the substance or mixture and uses advised again in the company is the substance or mixture and uses advised again in the company is the substance or mixture and uses advised again in the company is the substance or mixture and uses advised again in the company is the substance or mixture and uses advised again in the company is the substance or mixture and uses advised again in the company is the substance or mixture and uses advised again in the company is the substance or mixture and uses advised again in the company is the substance or mixture and uses advised again in the company is the substance or mixture and uses advised again in the company is the substance or mixture and uses advised again is the substance or mixture and uses advised again in the company. 1.3 Details of the supplier of the safety data sheet Madar Corporation Limited
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Madar Corporation Limited
Madar Corporation Limited
19 - 20 Sandlebeath Industrial Estate
Fordingbridge SP6 1PA
+44 (0)1425 655 555
Telephone Number technical@madarcorporation.co.uk
Email Address +44 (0)1425 655 555
1.4 Emergency Tel No
Section 2. HAZARD IDENTIFICATION
2.1 Classification of the substance or mixture
FL 3 Flammable liquid, category 3
AH 1 Aspiration hazard, category 1
SCI 2 Skin corrosion/irritation, category 2
SS 1 Skin sensitisation, category 1
EH C2 Aquatic hazard, chronic, category 2

SAFETY DATA		Printed on 01 April 2021	
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CLP Label element CLP classification a Hazard Pictogra	according to Regulation (EC) No 1272/2008	
Signal Word	Danger		
Hazard Stateme	nts		
H226	Flammable liquid a	nd vapour	
H304	May be fatal if swal	lowed and enters airways	
H315	Causes skin irritatio	n	
H317	May cause an allerg	ic skin reaction	
H411	Toxic to aquatic life	with long lasting effects	
Precautionary St	tatements		
P280	Wear protective glo	ves and eye protection	
P301+P310	IF SWALLOWED: In	nmediately call a POISON CENTRE.	
P302+P352	IF ON SKIN: Wash	with plenty of water.	
P308+P313	IF exposed or conce	erned: Get medical advice.	
P331	Do NOT induce von	iting.	
P333+P313	If skin irritation or	ash occurs: Get medical advice.	
2.3 Other Hazards Contains Citral, Limonene and Linalool which may produce an allergic reaction No further information available at this time			
	tion / information on i	0	

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3.1 Substances			
Description	LIME OIL CP		
EC/EINECS	290-010-3		
CAS Number	90063-52-8		
USCAS Number	8008-26-2		
Hazardous compo	onents		
ID Numbers	Chemical Name, Classification and Hazards		Conc (%)
CAS 5989-27-5 EINECS 227-813-5 REACH	d-Limonene (p-Mentha-1,8-diene)		100.0000
	AH 1; SCI 2; SS 1B; EH A1, C1 H304, H315, H317, H400, H410		
CAS 99-85-4	gamma-Terpinene (p-Mentha-1,4-diene)		24,9999
EINECS 202-794-6 REACH	FL 3;AH 1 H226,H304		24.9999
CAS 127-91-3 EINECS 204-872-5	beta-Pinene		9,9999
REACH	AH 1; SCI 2; SS 1B; EH A1, C1 H304, H315, H317, H400, H410		9.9999
CAS 586-62-9 EINECS 209-578-0	Terpinolene		2.9999
REACH	AH 1;SS 1B;EH A1,C1 H304,H317,H400,H410		2.9999
CAS 123-35-3	Myrcene		
EINECS 204-622-5 REACH	FL 3;AH 1;SCI 2;EDI 2 H226,H304,H315,H319		2.9999
CAS 5392-40-5	Citral		2.9999
EINECS 226-394-6 REACH	SCI 2; SS 1B;EDI 2 H315,H317,H319		
CAS 80-56-8	alpha-Pinene		2 0000
EINECS 201-291-9 REACH	AH 1; SCI 2; SS 1B; EH A1, C1 H304, H315, H317, H400, H410		2.9999

Refer to section 16 for the wording of listed classification and hazard statement codes

Section 4. First Aid measures

Take phrases in sections 2 into account

4.1 Description of first aid measures

After inhalation

Remove from the exposure area to fresh air. Contact a doctor if necessary.

After skin contact

Remove contaminated clothing. Wash thoroughly with soap and water. Seek medical advice if irritation persists or there is any sign of tissue damage.

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After eye contact Flush with plenty of water and seek medical advice if necessa After ingestion Wash mouth with plenty of water and obtain medical advice	-	
4.2 Most important symptoms and effects, both acute and No further information available at this time	d delayed	
4.3 Indication of immediate medical attention and special No further information available at this time	Il treatment	needed
Section 5. Fire-fighting measures		
 5.1 Extinguishing Media Carbon dioxide, foam or dry powder DO NOT USE A DIRECT WATER JET. 5.2 Special hazards arising from the substance or mixtur May produce Carbon dioxide and unidentified organic compose 		
5.3 Advice for fire-fighters Wear protective clothing and avoid inhalation of vapours.		
Section 6. Accidental release measures		
 6.1 Personal precautions, protective equipment and emer Remove all sources of ignition. Avoid inhalation, skin and eye contact. Ensure proper ventilation. 	rgency proc	edures
6.2 Environmental precautions		
Do not discharge directly into drains or the soil. Keep away water	from surface	and ground
6.3 Methods and material for containment and cleaning u Soak up spillage with sand or other inert absorbant material vemiculite; transfer used material to a suitable waste contain accordance with regulations.	such as earth	
6.4 Reference to other sections		
Refer to information in Sections 7, 8 and 13		

SAFETY DATA SHEET Printed on 01 April 2021 CLP: According to 2015/830/EU Version 2 Revised 31/03/2021 13:52:42 Section 7. Handling and storage 7.1 Precautions for safe handling Maintain good occupational and personal hygiene. Avoid inhalation and contact with skin and eyes. 7.2 Conditions for safe storage, including any incompatibilities Store in tightly sealed original containers away from ignition sources and in a cool place. 7.3 Specific end use(s) No further information available Section 8. Exposure controls / personal protection 8.1 Control Parameters No information available 8.2 Exposure controls Engineering controls No information available Individual protection measures Refer to Section 5 for specific fire/chemical personal protective equipment advice. Always wash routinely before breaks, meals and at the end of the work period. Eye/face protection Wear safety goggles. Hand protection Wear chemically resistant disposable gloves. Other skin protection Wear overalls. Always wash routinely before breaks, meals and at the end of the work period. Respiratory protection Not generally required. Use inhalation protection in poorly ventilated areas Thermal hazards No information available Environmental exposure controls No information available

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Section 9. Physical and chemical p	properties
9.1 Information on basic physical FLASH POINT (°C)	and chemical properties 46
Colour	YELLOW GREENY BROWN
Aroma	Citrus-lime
Solubility	Insoluble
9.2 Other information No further information available	
Section 10. Stability and reactivity	/
10.1 Reactivity Not determined	
10.2 Chemical Stability Not determined	
10.3 Possibility of hazardous read Not determined	ctions
10.4 Conditions to avoid Extreme temperatures	
 10.5 Incompatible materials Highly reactive chemicals which ma additional hazards. 10.6 Hazardous decomposition pr Not determined 	ay produce unknown reaction products and so cause
Section 11. Toxicological informat	ion
11.1 Information on toxicological Acute toxicity No data available	
Skin corrosion / irritation No data available	
Serious eye damage / irritation No data available	

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Respiratory or skin sensitisation No data available	
Germ cell mutagenicity No data available	
Carcinogenicity No data available	
Reproductive toxicity No data available	
STO-single exposure No data available	
STO-repeated exposure No data available	
Aspiration hazard No data available	
Information on likely routes of exposure No data available	
Symptoms related to the physical, chemical and toxic No data available	cological characteristics
Delayed and immediate effects as well as chronic eff long-term exposure No data available	fects from short and
I nteractive effects No data available	
Other information No data available	
Section 12. Ecological information	
12.1 Toxicity No data available. Avoid soil, surface water and water-bea	aring stratum contamination.
12.2 Persistence and degradability No data available	

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12.3 Bioaccumulative potential No data available				
12.4 Mobility in soil No data available				
12.5 Results of PBT and vPvB as No data available	sessment			
12.6 Other adverse effects No data available				
 Section 13. Disposal considerations Please refer to the information in section 8 (Exposure controls and personal protection) 13.1 Waste treatment methods Dispose in accordance with the law and local regulations. Treat as trade effluent. 				
Section 14. Transport information	1			
14.1 UN number	1169			
14.2 UN proper shipping name	EXTRACTS, AROMATI	C, LIQUID		
14.3 Transport hazard class(es)	3			
14.4 Packing group	111			
Tunnel Code	(D/E)			
14.5 Environmental Hazards Marine Pollutant - contains enviro	nmentally hazardous s	ubstances (Limonene,pinene)		
14.6 Special precautions for user No relevant information available	-			
14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code Not applicable				
Section 15. Regulatory information	on			
15.1 Safety, health and environn substance or mixture No relevant information available	-	egislation specific for the		
15.2 Chemical safety assessmen A chemical safety assessment has				

SAFETY DATA SHEET Printed on 01 April 2021 CLP: According to 2015/830/EU Version 2 Revised 31/03/2021 13:52:42 Section 16. Other information Full list of precautionary phrases P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P262 Do not get in eyes, on skin, or on clothing. P273 Avoid release to the environment. P280 Wear protective gloves and eye protection P301+P310 IF SWALLOWED: Immediately call a POISON CENTRE. P302+P352 IF ON SKIN: Wash with plenty of water. P308+P313 IF exposed or concerned: Get medical advice. P331 Do NOT induce vomiting. P333+P313 If skin irritation or rash occurs: Get medical advice. P362+P364 Take off all contaminated clothing and wash it before reuse. P391 Collect spillage. Wording of any hazard classes listed in section 3 FI 3 Flammable liquid, category 3 AH 1 Aspiration hazard, category 1 SCI 2 Skin corrosion/irritation, category 2 SS 1B Skin sensitisation, category 1B EDI 2 Eye damage/irritation, category 2 EH A1 Aquatic hazard, acute, category 1 EH C1 Aquatic hazard, chronic, category 1 Wording of any hazard statements listed in section 3 H226 Flammable liquid and vapour H304 May be fatal if swallowed and enters airways H315 Causes skin irritation H317 May cause an allergic skin reaction H319 Causes serious eye irritation H400 Very toxic to aquatic life H410 Very toxic to aquatic life with long lasting effects

PRODUCT SPECIFICATION

Product Name	:	LIME OIL CP	
Flash Point deg C	:	46	
Aroma / Taste	:	CITRUS-LIME	
Appearance / Physical State	:	YELLOW GREEN BROWN	
Composition	:	ESSENTIAL OIL	
Refractive Index 20degC			>= 1.470 <= 1.480
Optical Rotation			>= 46.0 <= 66.0
Density (g/ml,20c)			>= 0.845 <= 0.858

Shelf Life : 6 Months

(if stored in full airtight containers, protected from heat and direct sunlight)

Version Number : 3 Version Date : 31 March 2021

For and on behalf of F.D. Copeland and Sons Ltd.

Vegetarian Declaration

Compound Name : LIME OIL CP

Vegan	Y	No ingredients of animal origin or animal derivatives, including additives and processing aids
Vegetarian	Y	No ingredients of animal origin, including additives and processing aids. No egg or dairy; bee products are allowed
Ovo-lacto Vegetarian	Y	May include egg, dairy and bee products. No other ingredients of animal origin or animal derivatives, including additives and processing aids are allowed