CERTIFICATE OF ANALYSIS

PRODUCT NAME: ROSEMARY (CINEOL), ESSENTIAL OIL ORGANIC

BATCH NUMBER: 4436206

PRODUCT INCI: ROSMARINUS OFFICINALIS LEAF OIL

PRODUCT CODE: OCROSESPAN

Cas Number: 84604-14-8 / 8000-25-7

EINECS NUMBER: 283-291-9

MANUFACTURING METHOD: STEAM DISTILLED

BEST BEFORE DATE: JUNE 2024

ANALYTICAL DETAILS	RANGE	RESULTS
Appearance	LIQUID	-
Colour	COLOURLESS – PALE YELLOW	-
Odour	CHARACTERISTIC, ROSE	-
Specific Gravity @ 20°C	0.900 - 0.920	0.910
Refractive Index @ 20°C	1.460 - 1.475	1.4665
Optical Rotation (°C)	-2.0 то +6.0	+0.2

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

Allergen Declaration:

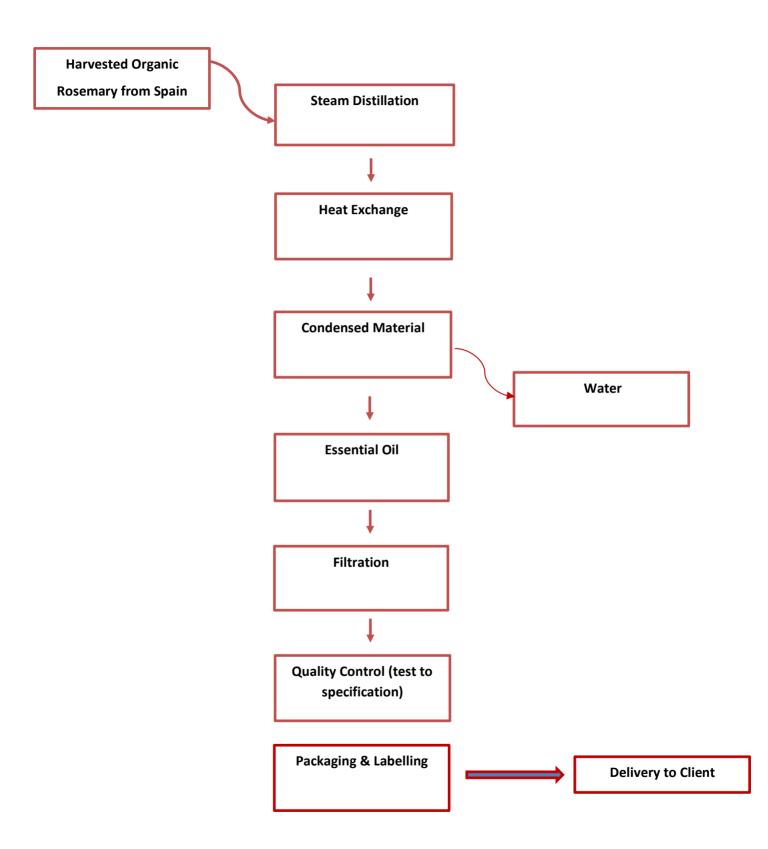
PRODUCT NAME:	Rosemary, Essential Oil Organic			
INCI:	Rosmarinus Officinalis			
	COSMETIC ALLERGENS			
The Fo	llowing is from the 7th amendment of the cosmetic directive of the European Union Annex iii.			
Annex Illa Reference:		CAS NUMBER:	TOTAL ALLERGEN INCLUSION (%):	
67	AMYL CINNAMAL	122-40-7	0.00	
68	BENZYL ALCOHOL	100-51-6	0.00	
69	CINNAMYL ALCOHOL	104-54-1	0.00	
70	CITRAL	5392-40-5	0.00	
71	EUGENOL	97-53-0	0.00	
72	HYDROXY-CITRONELLAL	107-75-5	0.00	
73	ISOEUGENOL	97-54-1	0.00	
74	AMYLCIN-NAMYL ALCOHOL	101-85-9	0.00	
75	BENZYL SALICYLATE	118-58-1	0.00	
76	CINNAMAL	104-55-2	0.00	
77	COUMARIN	91-64-5	0.00	
78	GERANIOL	106-24-1	0.00	
79	HYDROXY- METHYLPENTYLCYCLOHEXENECARBOXALDEHYDE	31906-04-4	0.00	
80	ANISE ALCOHOL	105-13-5	0.00	
81	BENZYL CINNAMATE	103-41-3	0.00	
82	FARNESOL	4602-84-0	0.00	
83	BUTYLPHENYL METHYLPROPIONAL	80-54-6	0.00	
84	LINALOOL	78-70-6	0.80	
85	BENZYL BENZOATE	120-51-4	0.00	
86	CITRONELLOL	106-22-9	0.00	
87	HEXYL CINNAM-ALDEHYDE	101-86-0	0.00	
88	LIMONENE	5989-27-5	6.00	
89	METHYL HEPTIN CARBONATE	111-12-6	0.00	
90	ALPHA-ISOMETHYL IONONE	127-51-5	0.00	
91	EVERNIA PRUNASTRI EXTRACT	90028-68-5	0.00	
92	EVERNIA FURFURACEA EXTRACT	90028-67-4	0.00	
	FOOD ALLERGENS			
The following is from the commisio	n directive 2007/68/EC of 27th November 2007 amending Annex Illa to Directive 200/13/EC of the European Par	lament & Council with regards to specific food in	gredients.	
Annex Illa Reference:		PRESENT IN PRODUCT:	CONTAMINATION PRESENCE:	FACTORY PRESENCE:
1	CEREALS (CONTAINING GLUTEN)	NO	NO	YES
2	CRUSTACEANS	NO	NO	NO
3	EGGS	NO	NO	NO
4	FISH	NO	NO	NO
5	PEANUTS	NO	NO	YES
6	SOYA	NO	NO	YES
7	MILK	NO	NO	YES
8	NUTS	NO	NO	YES
9	CELERY & CELERIAC	NO	NO	NO
10	MUSTARD	NO	NO	YES
11	SESAME	NO	NO	YES
12	SULPHUR DIOXIDE & SULPHITES	NO	NO	NO
13	LUPIN	NO	NO	NO
14	MOLLUSC	NO	NO	NO

Composition Statement & Manufacturing Flow Chart:

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

Rosemary, Essential Oil Organic

INCI Name	% Inclusion	CAS Number
Rosmarinus Officinalis Leaf	100	84604-14-8 / 8000-25-7



GMO Statement

PRODUCT NAME: Rosemary Spanish Organic

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

16/07/2020

IFRA STATEMENT

PRODUCT NAME: ROSEMARY (CINEOL), ESSENTIAL OIL ORGANIC

MADAR CORPORATION LIMITED CERTIFY THAT THE ABOVE-MENTIONED MATERIAL CONFORMS TO THE IFRA 49 CODE OF PRACTICE AND CONTAINS THE FOLLOWING RESTRICTED COMPONENTS THAT ARE LISTED IN THE 49TH AMENDMENT OF THE IFRA CODE OF PRACTICE:

IFRA Category	% Maximum Use Level
IFRA Category 1	Not Restricted
IFRA Category 2	Not Restricted
IFRA Category 3 A, B, C, D	Not Restricted
IFRA Category 4 A, B, C, D	Not Restricted
IFRA Category 5	Not Restricted
IFRA Category 6	Not Restricted
IFRA Category 7A, B	Not Restricted
IFRA Category 7B	Not Restricted
IFRA Category 8 A, B	Not Restricted
IFRA Category 9 A, B, C	Not Restricted
IFRA Category 10 A, B	Not Restricted
IFRA Category 11	Not Restricted
IFRA Category 12	Not Restricted

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: 1907/2006

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING							
1.1 PRODUCT IDENTIFICATION							
Product Name	Rosemary (Cineol),	Essential Orc	GANIC				
INCI NAME	Rosmarinus Officin	alis Leaf Oil					
Synonyms & Trade Names	-						
CAS-No	84604-14-8 / 8000-25-7	EC No.	283-291-9	EINECS No.	283-291-9		
1.2 DETAILS OF THE SUPPLIER OF THE SAFETY DAT	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@madarcorpor	ration.co.uk					
1.3 DETAILS OF THE SUPPLIER OF THE SAFETY DAT	A SHEET						
	01425 655555						

ASSIFICATION OF THE SUBSTANCE OR MIXTURE	THE FULL TEXT FOR ALL HAZARD STATEMENTS IS DISPLAYED IN SECTION 16.
CLASSIFICATION (67/548/EEC)	THE FULL TEXT FOR ALL R-PHRASES AND HAZARD STATEMENTS ARE DISPLAYED IN SECTION 16.
CLASSIFICATION (EU1272/2008)	Physical and Chemical Hazards: Flammable liquid, Category 3 (Flam. Liq. 3, H226). Human health: Aspiration hazard, Category 1 (Asp. Tox. 1 – H304). Skin irritation, Category 2 (Skin Irrit. 2, H315). Skin sensitisation, Category 1 (Skin Sens. 1, H317). Specific target organ toxicity (single exposure), Category 2 (STOT SE 2, H371). Environment: Hazardous to the aquatic environment - Chronic hazard Category 1 (Aquatic Chronic 1, H410).
2 BEL ELEMENTS	LABEL IN ACCORDANCE WITH REGULATION (EC) NO 1272/2008.
GHS LABEL	GHS07 GHS08 GHS09 GHS02 GHS02
Signal Word	
Contains	ALPHA-PINENE, BETA-PINENE, CARYOPHYLLENE, (S)-P-MENTHA-1,8-DIENE, MYRCENE - INDIRECT NATURAL IMPURITY, TERPINOLEN CAMPHOR, EUCALYPTOL
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. H371 May cause damage to organs (if swallowed). H410 Very toxic to aquatic life with long lasting effects.
PRECAUTIONARY STATEMENTS	P501 DISPOSE OF CONTENTS IN ACCORDANCE WITH LOCAL, STATE OR NATIONAL LEGISLATION. P261 Avoid Breathing Dust/Fume/Gas/mist/vapours/spray. P321 Specific treatment (see Medical Advice on this label). P333+P313 IF SKIN IRRITATION OR RASH OCCURS: GET MEDICAL ADVICE/ATTENTION.
SUPPLEMENTARY PRECAUTIONARY STATEMENTS	P264 WASH HANDS AND EXPOSED SKIN THOROLIGHLY AFTER HANDLING
JUFFLEMENTAKT FRECAUTIONAKT STATEMENTS	P332+P313 IF SKIN IRRITATION OCCURS: GET MEDICAL ADVICE/ATTENTION
	SECTION 16 (OTHER INFORMATION): RISK & SAFETY PHRASES IN FULL.
3 THER HAZARDS	
Adverse physio-chemical properties	NO DATA
Adverse effects on human health	MAY BE HARMFUL IN CONTACT WITH SKIN.
	THE SUBSTANCE DOES NOT SATISFY THE PBT OR VPVP CRITERIA IN ACCORDANCE WITH ANNEXE XIII OF THE REACH REGULATION

	Chemical Name	EC No.	CAS No.	Weight-%	Classification according to Regulation (EC) No. 1272/2008 [CLP]	REACH registration number
	Eucalyptol	Present	470-82-6	40 - <50	Skin Irrit. 3 (H316) (EFFA) Acute Tox. 5 (H303)(EFFA) Flam.	No data available
					Liq. 3 (H226)(EFFA) Skin Sens. 1B (H317) (EFFA)	
	I-Limonene	Present	5989-54-8	10 - <20	Flam. Liq. 3 (H226) Skin Irrit. 2 (H315) Skin Sens. 1B (H317) Asp. Tox. 1 (H304) Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410)	No data available
	alpha-Pinene	Present	80-56-8	10 - <20	Acute Aquatic 1 (H400) (EFFA) Chronic Aquatic 1 (H410) (EFFA) Acute Tox. 4 (H302) (EFFA) Skin Sens. 1B (H317) (EFFA) Aso. Tox. 1 (H304) (EFFA) Flam. Liq. 3 (H226) (EFFA)	No data available
STANCE	Camphor, d-	Present	464-49-3	10 - <20	STOT SE 2 (H371), Aquatic Acute 2 (H401), Flam. Sol 2 (H228), Acute Tox. 4 (H302), Acute Tox. 4 (H332), Skin Irrit. 2 (H315), Eye Dam. 1 (H318), Aquatic Chronic 2 (H411)	No data available
	beta-Pinene	Present	127-91-3	1 - <10	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)	No data available
	Camphene	Present	79-92-5	1 - <10	Aquatic Acute 1 (H400) (EFFA) Eye Irrit. 2B (H320) (EFFA) Aquatic Chronic 1 (H410) (EFFA) Flam. Sol 2 (H228) (EFFA)	No data available
	Borneol	Present	507-70-0	1 - <10	Acute Aquatic 2 (H401), Flam. Sol 2 (H228), Aquatic Chronic 2 (H411), Skin Irrit. 2 (H315), Acute Tox. 5 (H303)	No data available
	Caryophyllene	Present	87-44-5	1 - <10	Skin Sens. 1B (H317) (EFFA) Asp. Tox. 1 (H304) (EFFA) Chronic Aquatic 4 (H413) (EFFA)	No data available
	para-Cymene	Present	99-87-6	1 - <10	(H413) (EFFA) 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. Llq. 3 (H226)	No data available
	Myrcene	Present	123-35-3	1 - <10	Eye Irrit. 2 (H319) (EFFA) Skin Irrit. 2 (H315) (EFFA) Asp. Tox. 1 (H304) (EFFA)	No data available

				Flam. Liquid 3 (H226) (EFFA) Acute Aquatic 1 (H400) (EFFA) Chronic Aquatic 2 (H411) (EFFA)	
Bornyl acetate	Present	76-49-3	1 - <10	Skin Irrit. 3 (H316) (EFFA) Flam. Liq. 4 (H227)(EFFA) Acute Aquatic 2 (H401) (EFFA)	No data available
alpha-Terpineol	Present	98-55-5	1 - <10	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)	No data available
gamma-Terpinene	Present	99-85-4	0.1 - <1	Rep 2 (H361), Flam. Liq. 3, Aspir Haz. 1 (H304), Acute Tox 5 (H303), Skin Irrit. 3 (H316)	No data available
alpha-Fenchone	Present	7787-20-4	0.1 - <1	Skin Irrit. 3 (H316) (EFFA) Flam. Liq. 4 (H227)(EFFA)	No data available
Linalool	Present	78-70-6	0.1 - <1	Aquatic Acute 3 (H402) (EFFA) Eye Irrit. 2 (H319) (EFFA) Skin Irrit. 2 (H315) (EFFA) Acute Tox. 5 (H303) (EFFA) Falam. Liq. 4 (H227) (EFFA) Skin Sens. 18 (H317) (EFFA)	No data available
alpha-Phellandrene	Present	99-83-2	0.1 - <1	Skin Irrit. 3 (H316) (EFFA) Asp. Tox. 1 (H304) (EFFA) Flam. Liq. 3 (H226)(EFFA)	No data available
Terpinen-4-ol	Present	562-74-3	0.1 - <1	Aquatic Acute 3 (H402) (EFFA) Eye Irrit. 2 (H319) (EFFA) Skin Irrit. 2 (H315) (EFFA) Acute Tox. 4 (H302) (EFFA) Acute Tox. 5 (H313)(EFFA) Flam. Liq. 4 (H227)(EFFA)	No data available
alpha-Terpinene	Present	99-86-5	0.1 - <1	Aquatic Acute 2 (H401) (EFFA) Skin Irrit. 3 (H316) (EFFA) Aquatic Chronic 2 (H411) (EFFA) Asp. Tox. 1 (H304) (EFFA) Acute Tox. 4 (H302) (EFFA) Flam. Liq. 3 (H226)(EFFA)	No data available
Terpinolene	Present	586-62-9	0.1-<1	Aquatic Acute 1 (H400) (EFFA) EFFA) Aquatic Chronic 1 (H410) (EFFA) Asp. Tox. 1 (H304) (EFFA) Acute Tox. 5 (H303)(EFFA) Filam. Liq. 4 (H227)(EFFA) Skin Irrit. 3 (H316) (EFFA) Skin Sens. 1 (H317) (EFFA)	No data available
delta-3-Carene	Present	13466-78-9	0.01 - <0.1	Skin Sens. 1 (H317) (EFFA) Skin Irrit. 2 (H315) (EFFA) Asp.	No data available

				Tox. 1 (H304) (EFFA) Acute Tox. 5 (H303)(EFFA) Flam. Liq. 3 (H226)(EFFA) Acute Aquatic 1 (H400)(EFFA) Chronic Aquatic 1 (H410)(EFFA)	
Sabinene	Present	3387-41-5	0.01 - <0.1	Aspiration cat 1 (H304), Flam cat 3 (H226), Skin Irri cat 2 (H315), Skin sensi cat 1B (H317), Acute aquatic cat 1 (H400), Chronic aquatic cat 1 (H410)	No data available
Octen-3-ol	Present	3391-86-4	0.01 - <0.1	Aquatic Acute 2 (H401), Eye Irrit. 2 (H319),Skin Irrit. 2 (H315), Acute Tox. 3 (H301), Acute Tox. 3 (H313), Flam. Liq. 4 (H227), Acute Tox. 4 (H322), Skin Sens. 18 (H317)	No data available
Caryophyllene oxide	Present	1139-30-6	0.01 - <0.1	Aquatic Acute 2 (H401) (EFFA) Skin Irrit. 3 (H316) (EFFA) Aquatic Chronic 2 (H411) (EFFA)	No data available
trans beta-Ocimene	Present	3779-61-1	0.01 - <0.1	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)	No data available
Methyl eugenol	Present	93-15-2	0.01 - <0.1	Aquatic Acute 2 (H401) (EFFA) Carc. 2 (H351) (EFFA) Muta. 2 (H341) (EFFA) Acute Tox. 4 (H302) (EFFA)	No data available

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	Flush immediately with water for at least 15 minutes. Contact physician if symptoms persist.			
4.2 Most important symptoms & effects (Acute & Delayed)	Inhalation May cause coughing and difficulties in breathing. Ingestion Irritating to the respiratory tract and may cause damage to the central nervous system. Skin contact Toxic in contact with skin. Eye contact May cause eye irritation.			
4.3 INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION OR SPECIAL TREATMENT REQUIRED	NONE EXPECTED, SEE SECTION 4.1 FOR FURTHER INFORMATION.			

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	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	Do not discharge into drains, water courses or onto the ground. Dispose of in line with Local authority
ENVIRONMENTAL PRECAUTIONS	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	
8.1 Control Parameters	

Chemical Name	European Union	United Kingdom	France	Spain	Germany
I-Limonene	-	-	TWA: 1000 mg/m ³	-	-
5989-54-8			STEL: 1500 mg/m3		
alpha-Pinene	· ·	-	TWA: 1000 mg/m ³	TWA: 20 ppm	-
80-56-8			STEL: 1500 mg/m3	TWA: 113 mg/m ³	
beta-Pinene	· ·	-	TWA: 1000 mg/m ³	TWA: 20 ppm	-
127-91-3			STEL: 1500 mg/m3	TWA: 113 mg/m ³	
Camphene	· ·	-	TWA: 1000 mg/m ³	-	-
79-92-5			STEL: 1500 mg/m3		
para-Cymene	· ·	-	TWA: 150 mg/m ³	-	-
99-87-6			TWA: 1000 mg/m ³		
			STEL: 1500 mg/m ³		
Myrcene	· ·	-	TWA: 1000 mg/m ³	-	-
123-35-3			STEL: 1500 mg/m ³		
gamma-Terpinene 99-85-4	· ·	-	TWA: 1000 mg/m ³	-	-
			STEL: 1500 mg/m ³		
alpha-Phellandrene	· ·	-	TWA: 1000 mg/m ³	-	
99-83-2			STEL: 1500 mg/m ³		
alpha-Terpinene	· ·	· ·	TWA: 1000 mg/m ³	-	· ·
99-86-5			STEL: 1500 mg/m3		
Terpinolene	· ·	· ·	TWA: 1000 mg/m ³	-	· ·
586-62-9			STEL: 1500 mg/m ³	TIA/A . 20 mm	
delta-3-Carene	-	· ·	TWA: 1000 mg/m ³	TWA: 20 ppm	-
13466-78-9			STEL: 1500 mg/m ³	TWA: 113 mg/m ³	
Sabinene	· ·	-	TWA: 1000 mg/m ³	-	-
3387-41-5			STEL: 1500 mg/m ³		
trans beta-Ocimene	· ·	-	TWA: 1000 mg/m ³	-	· ·
3779-61-1	H-L.	Destaural	STEL: 1500 mg/m3	Fisherd	Demonstr
Chemical Name alpha-Pinene	Italy	Portugal	Netherlands	Finland	Denmark
80-56-8		TWA: 20 ppm			· ·
beta-Pinene	· .	TWA: 20 ppm	-	-	· .
127-91-3	-	TWA. 20 ppm	-	-	
para-Cymene	· .		-		TWA: 25 ppm
99-87-6	1 -	-	-	-	TWA: 135 mg/m ³
delta-3-Carene	· .	TWA: 20 ppm	-		- 1997A. 135 Hig/III
13466-78-9	-	TWA. 20 ppm	-	-	
Chemical Name	Austria	Switzerland	Poland	Norway	Ireland
I-Limonene	Austria		-	TWA: 25 ppm	
I-LIMONENE	-	-	-	TWA: 140 mg/m ³	-
5090 54 9				TWA. 140 mg/m	
5989-54-8					
5989-54-8	 			0751 - 07 5	
5989-54-8				STEL: 37.5 ppm	
		014		STEL: 175 mg/m ³	
alpha-Pinene	-	Skin	-	STEL: 175 mg/m ³ TWA: 25 ppm	-
	-	STEL: 40 ppm		STEL: 175 mg/m ³ TWA: 25 ppm TWA: 140 mg/m ³	-
alpha-Pinene	-	STEL: 40 ppm STEL: 224 mg/m ³	-	STEL: 175 mg/m ³ TWA: 25 ppm TWA: 140 mg/m ³ Skin	-
alpha-Pinene	-	STEL: 40 ppm STEL: 224 mg/m ³ TWA: 20 ppm	-	STEL: 175 mg/m ³ TWA: 25 ppm TWA: 140 mg/m ³ Skin STEL: 37.5 ppm	-
alpha-Pinene 80-56-8		STEL: 40 ppm STEL: 224 mg/m ³ TWA: 20 ppm TWA: 112 mg/m ³		STEL: 175 mg/m ³ TWA: 25 ppm TWA: 140 mg/m ³ Skin STEL: 37.5 ppm STEL: 175 mg/m ³	
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alpha-Pinene 80-56-8 beta-Pinene 127-91-3 Camphene	-	STEL: 40 ppm STEL: 224 mg/m ³ TWA: 20 ppm TWA: 112 mg/m ³ Skin STEL: 40 ppm STEL: 224 mg/m ³ TWA: 20 ppm TWA: 112 mg/m ³ Skin		STEL: 175 mg/m³ TWA: 25 ppm Skin STEL: 37.5 ppm STEL: 37.5 ppm TWA: 140 mg/m³ TWA: 140 mg/m³ TWA: 25 ppm TWA: 25 ppm STEL: 37.5 ppm STEL: 37.5 ppm STEL: 175 mg/m³ STEL: 37.5 ppm	-
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alpha-Pinene 80-56-8 beta-Pinene 127-91-3 Camphene 79-92-5 Myrcene 123-35-3 delta-3-Carene	-	STEL: 40 ppm STEL: 224 mg/m ³ TWA: 20 ppm TWA: 112 mg/m ³ Skin STEL: 40 ppm STEL: 24 mg/m ³ TWA: 112 mg/m ³ StEL: 24 mg/m ³ TWA: 112 mg/m ³ Skin STEL: 40 ppm STEL: 40 ppm	-	STEL: 175 mg/m ³ TWA: 25 ppm TWA: 140 mg/m ³ Skin STEL: 37.5 ppm STEL: 175 mg/m ³ TWA: 25 ppm TWA: 25 ppm STEL: 37.5 ppm STEL: 175 mg/m ³ TWA: 275 mg/m ³ STEL: 343.75 mg/m ³ TWA: 25 ppm TWA: 140 mg/m ³	-



EYE PROTECTION	WEAR PROTECTIVE GLOVES/EYE PROTECTION/FACE PROTECTION.
HAND PROTECTION	WEAR PROTECTIVE GLOVES/EYE PROTECTION/FACE PROTECTION.
RESPIRATORY EQUIPMENT	NO DATA
HYGIENE MEASURES	Good personal hygiene practices are always advisable, especially when working with chemicals $/$ oils.
ENGINEERING MEASURES	None.
Skin Protection	WEAR PROTECTIVE CLOTHING TO REDUCE THE RISK OF SKIN AND EYE CONTACT.
PERSONAL PROTECTION	AVOID INHALATION OF THE PRODUCT. AVOID CONTACT WITH SKIN AND EYES.

OTHER PROTECTION	WEAR SUITABLE PROTECTION TO AVOID CONTACT WITH SKIN AND EYES. DO NOT INHALE VAPOURS.
PROCESS CONDITIONS	ENSURE AREA IS WELL VENTILATED. AVOID VAPOUR INHALATION. SAFETY SHOWER & EYE BATH.
ENVIROMENTAL EXPOSURE CONTROLS	AVOID DISCHARGING INTO DRAINAGE WATER.

SECTION 9: PHYSICAL & CHEMICAL PROPERTIES

9.1 Physical & Chemical Properties	
Appearance	Clear
COLOUR	COLOURLESS – PALE YELLOW
Odour	CHARACTERISTIC, CINEOL.
RELATIVE DENSITY	Approx 0.910 @ 20°C
FLASH POINT (°C)	47°C
REFRACTIVE INDEX @ 20 °C	APPROC 1.467 @ 20°C
Solubility in water @ 20 °C	INSOLUBLE IN WATER
9.2 Other Information	ΝΟ ΔΑΤΑ
SECTION 10: STABILITY & REACTIVITY	
10.1 Reactivity	NO HAZARDOUS REACTIONS IF STORED AND HANDLED AS PRESCRIBED / INDICATED.
10.2 Chemical stability	Stable under suggested storage conditions (<1.5°C).
10.3 Possibility of hazardous reactions	No.
10.4 Conditions to avoid	STORAGE AT HIGH TEMPERATURES. DO NOT STORE ABOVE 15°C.
10.5 Incompatible materials	Strong oxidisning substances.
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	NO TOXICOLOGICAL DATA AVAILABLE.	
SKIN IRRITATION	Causes skin irritation	
Eye damage or irritation	No Data	

R ESPIRATORY OR SKIN SENSITIVITY	ΝΟ ΦΑΤΑ
GERM CELL MUTAGENICITY	ΝΟ ΔΑΤΑ
Carcinogenicity	MONOGRAPH(S) FROM THE IARC (INTERNATIONAL AGENCY FOR RESEARCH ON CANCER): CAS 5989- 27-5 : IARC GROUP 3 : THE AGENT IS NOT CLASSIFIABLE AS TO ITS CARCINOGENICITY TO HUMANS.
R EPRODUCTIVE TOXICITY	NOT APPLICABLE.
STOT – SINGLE EXPOSURE	ΝΟ DATA
STOT – REPEATED EXPOSURE	NOT APPLICABLE.
Aspiration Hazard	MAYBE FATAL IF ENTERS AIRWAVES.
Other Information	NO DATA.

SECTION 12: ECOLOGICAL INFORMATION

	Chemical Name	Crustacea	Algae/aquatic plants	Fish
	Eucalyptol	48hr EC50/LC50 - 100 mg/L (Daphnia magna)	72hr EC50 - 74 mg/L, EC10 or NOEC - 37 mg/L	96 HR LC50 for freshwater fish - 57 mg/L (Oncorhynchus mykiss)
		(Daprinia magna)	(Pseudokirchneriella subcapitata)	mgr (Oncomynenus mykiss)
	I-Limonene	48hr LC50/LC50 - 0.36 mg/L		96hr LC50 - 0.71 mg/L (Pimephale
	-Einonene	(Daphnia magna)	NOEC - 0.514 mg/L (Desmodesmus	promelas)
			subspicatus)	
	alpha-Pinene	41: 48 h Daphnia magna mg/L LC50		0.28: 96 h Pimephales promelas mg/L LC50 static
12.1	Camphene	22: 48 h Daphnia magna mg/L		0.72: 96 h Brachydanio rerio mg/L
Toxicity		EC50		LC50 flow-through 150: 96 h
		701-5-050 4.00 1 105-0		Brachydanio rerio mg/L LC50 statio
	para-Cymene	72hr ErC50 - 4.03 mg/L, NOErC -	48hr EC50 - 100 mg/L	96hr LC50 - 48 mg/L (Cyprinodon
		1.4 mg/L (Scenedesmus		variegatus)
	alpha-Terpineol	capricornutum) 48hr EC50 - 73 mg/l (Daphnia	72hr EC50 - 68mg/l	96hr LC50 - 62 to 80 mg/L (Danio
	aipna-Terpineoi	46hr EC50 - 73 mg/l (Daphnia magna)	7211 EC30 - 68mg/l	rerio)
	Linalool	48hr EC50 - 59mg/L (Daphnia	96hr EC50 - 156.7 mg/L; EC10 or	96hr LC50 - 27.8mg/L (Salmo
	Lindioor	magna)	NOEC - 54.3 mg/L (Desmodesmus	gairdneri)
			subspicatus)	3,
12.2				
12.2				
PERSISTENCE & DEGRADABILITY	ΝΟ ΔΑΤΑ			
	NO DATA			
12.3	ΝΟ ΔΑΤΑ			
BIO- ACCUMULATIVE POTENTIAL				
12.4	NO DATA.			
MOBILITY IN SOIL	NO DATA.			
12.5				
	NO DATA.			
RESULTS OF PBT & VPVB ASSESSMENT	NO DATA.			
12.6				
OTHER ADVERSE EFFECTS	DO NOT ALLOW PRODUCT	T TO ENTER STREAMS, SEWE	RS OR OTHER WATERWAY	s.
OTHER ADVERSE EFFECTS		,,		
	I			
SECTION 13: DISPOSAL INFORMATION				
	ALWAYS RECOVER SPILLED	PRODUCT. DISCARD WAST	F MATERIAL WITH AUTHOR	IZED WASTE
121		I RODOCH DIOCHRD MAOI		
13.1				
13.1 Waste treatment methods	MANAGEMENT SERVICES.	ACT IN ACCORDANCE WITH	LOCAL & NATIONAL WAS	TE REGULATIONS.

SECTION 14: TRANSPORT INFORMATION			
14.1 Transport Information			
UN NUMBER	ROAD: 1169 RAIL: 1169 AIR: 1169		
14.2 UN Shipping Name	Environmentally Hazardous Substance, liquid n.o.s.		
14.3 Transport hazard class(es)	ADR/RID/ADN CLASS 3		

	IMDG CLASS ICAO CLASS/DIVISION 3	3		
	<u> </u>			
	FLAMMABLE			
	3			
14.4 Province Cooper	ADR/RID/ADN PACKING GROUP IMDG PACKING GROUP			
PACKING GROUP	ICAO PACKING GROUP	Ш		
	ENVIRONMENTALLY HAZARDOUS SUB	STANCE/MARINE POLLUTANT.		
14.5 Enviromental Hazards				
	EMS	F-E,S-D		
14.6	EMERGENCY ACTION CODE	F1		
SPECIAL PRECAUTIONS FOR USER	HAZARD NO. (ADR)	90 Environmentally hazardous substance.		
	TUNNEL RESTRICTION CODE	(D/E)		
14.7 Transport in bulk according to Annex II of MARPOL73/78 & the IBC code.	EMS: F-A,S-F			
SECTION 15: REGULATORY INFORMATION				
15.1 Product specific safety, health & environmental regulations & legislation				
	REGULATION (EC) NO 1907/2006	of the European Parliament and of the council of $18^{\mbox{\tiny TH}}$		
	DECEMBER 2006. CONCERNING THE	REGISTRATION, EVALUATION, AUTHORIZATION & RESTRICTION OF		
EU DIRECTIVES		a European Chemicals Agency, amending Directive		
		NCIL REGULATION (EEC) NO793/93 & COMMISSION		
		WELL AS COUNCIL DIRECTIVE 76/769/EEC & COMMISSION		
		CC, 93/105/EEC & 2000/21/EC (INCLUDING AMENDMENTS).		
Statutory Instruments	THE CHEMICALS (HAZARD INFORMATI NO 716).	ON & PACKAGING FOR SUPPLY REGULATIONS 2009 (S.I.2009		
APPROVED CODE OF PRACTICE	CLASSIFICATION & LABELLING OF SUB SHEETS FOR SUBSTANCES & PREPARAT	STANCES & PREPARATIONS DANGEROUS FOR SUPPLY. SAFETY DATA		
GUIDANCE NOTES				
15.2	-			
CHEMICAL SAFETY ASSESSMENT				

SECTION 16: OTHER INFORMATION	
HAZARD AND/ OR PRECAUTIONARY STATEMENTS IN FULL	H319 - Causes serious eye irritation

	H315 - Causes skin irritation
	H304 - May be fatal if swallowed and enters airways
	H400 - Very toxic to aquatic life
	H410 - Very Toxic to aquatic life with long lasting effects
	H317 - May cause an allergic skin reaction
	H226 - FLAMMABLE LIQUID AND VAPOR
	H316 - Causes mild skin irritation H303 - May be harmful if swallowed
	H227 - Combustible liquid
	H371 - May cause damage to organs if inhaled
	H402 - Harmful to aquatic life
	H228 - Flammable solid
	H302 - Harmful if swallowed
	H332 - HARMFUL IF INHALED
	H401 - TOXIC TO AQUATIC LIFE
TRAINING INSTRUCTIONS: REFER TO POSSIBLE HAZARD BEFORE USE OF THIS PRODUCT.	
A	

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
October 2020	Review

SPECIFICATION SHEET

PRODUCT NAME: ROSEMARY (CINEOL), ESSENTIAL OIL ORGANIC

PRODUCT INCI: ROSMARINUS OFFICINALIS LEAF OIL

PRODUCT CODE: K0398 CAS NUMBER: 84604-14-8 / 8000-25-7

EINECS NUMBER: 283-291-9

SHELF LIFE / BEST BEFORE: 24 MONTHS

DOCUMENTATION REVIEW: 2021

ANALYTICAL DETAILS	RANGE
Appearance	LIQUID
COLOUR	COLORLESS – PALE YELLOW
Odour	CHARACTERISTIC
Specific Gravity @ 20°C	0.8920 – 0.920
Refractive Index @ 20°C	1.4580 – 1.480
OPTICAL ROTATION (°C)	1.0 to +8.0

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

Vegetarian & Vegan Suitability Statement

PRODUCT NAME: Rosemary Spanish Organic

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

16/07/2020