

## **CERTIFICATE OF ANALYSIS**

PRODUCT NAME: SPIKE LAVENDER, ESSENTIAL OIL

**BATCH NUMBER: 4447512** 

PRODUCT INCI: LAVANDULA LATIFOLIA HERB

PRODUCT CODE: OESPIKLAVE

CAS NUMBER: 84837-04-7

EINECS NUMBER: 284-290-6

MANUFACTURING METHOD: STEAM DISTILLED

BEST BEFORE END: OCTOBER 2024

ANALYTICAL DETAILS	Range	RESULTS
Appearance	LIQUID	-
Colour	PALE YELLOW - YELLOW	-
Odour	CHARACTERISTIC, LAVENDER	-
SPECIFIC GRAVITY @ 20□C	0.884 – 0.898	0.889
Refractive Index @ 20□C	1.457 – 1.463	1.461
OPTICAL ROTATION (□C)	-1.0 то +5.0	+0.40

#### **STORAGE CONDITIONS**

STORE IN A COOL DRY PLACE AWAY FROM HEAT & SUNLIGHT



# ALLERGEN STATEMENT

PRODUCT NAME: LAVENDER SPIKE, ESSENTIAL OIL

### **COSMETIC ALLERGENS**

Annex Illa		CAC NUMBER	TOTAL ALLERGEN
Reference:		CAS NUMBER:	INCLUSION (%):
67	AMYL CINNAMAL	122-40-7	0.000
68	BENZYL ALCOHOL	100-51-6	0.000
69	CINNAMYL ALCOHOL	104-54-1	0.000
70	CITRAL	5392-40-5	0.000
71	EUGENOL	97-53-0	≤ 0.01
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	≤ 0.21
78	GERANIOL	106-24-1	≤ 0.40
79	HYDROXYISOHEXYL 3-CYCLOHEXENE	31906-04-4	0.000
79	CARBOXALDEHYDE	31300-04-4	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	≤ 35.00
85	BENZYL BENZOATE	120-51-4	≤ 0.01
86	CITRONELLOL	106-22-9	0.00
87	HEXYL CINNAM-ALDEHYDE	101-86-0	0.000
88	LIMONENE	5989-27-5	≤ 10.00
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**

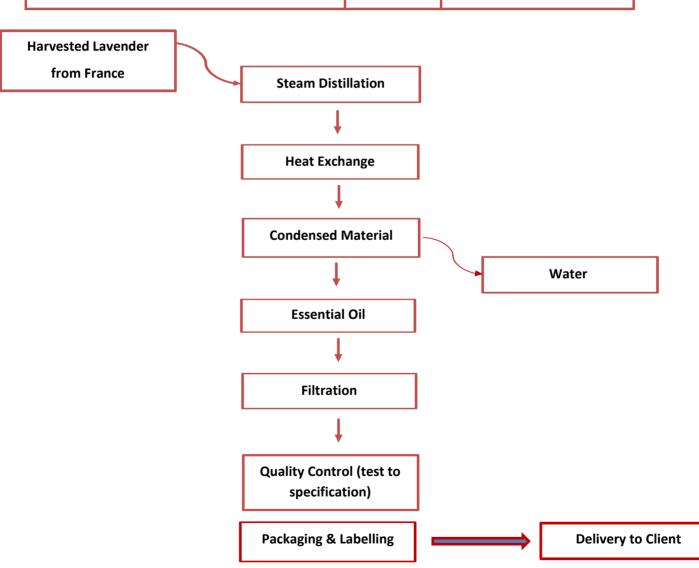
Annex Illa		PRESENT IN	CONTAMINATION	FACTORY
Reference:		PRODUCT:	PRESENCE:	PRESENCE:
1	CEREALS (CONTAINING GLUTEN)	NO	NO	YES
2	CRUSTACEANS	NO	NO	NO
3	EGGS	NO	NO	NO
4	FISH	NO	NO	NO
5	PEANUTS	NO	NO	YES
6	SOYA	NO	NO	YES
7	MILK	NO	NO	YES
8	NUTS	NO	NO	YES
9	CELERY & CELERIAC	NO	NO	YES
10	MUSTARD	NO	NO	YES
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:

#### Spike Lavender, Essential Oil

INCI Name	% Inclusion	CAS Number
Lavandula Latifolia Herb	100	84837-04-7





30-09-2021

### **GMO STATEMENT**

We hereby state and certify that the Spike Lavender, Essential Oil sold by us is not derived/produced from a raw material that has been genetically modified.



## **IFRA STATEMENT**

PRODUCT NAME: LAVENDER SPIKE, ESSENTIAL OIL

PRODUCT INCI: LAVANDULA LATIFOLIA HERB OIL

WE 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  $49^{\text{th}}$  Amendment of the IFRA Code of Practice:

Restricted Component	Cas No:	% Level in Product	IFRA Standard
Limonene	5989-27-5	≤ 10.00	Specification
Linalool	78-70-6	≤ 35.00	Specification
Benzaldehyde	100-52-7	≤ 0.01	Restriction
Benzyl benzoate	120-51-4	≤ 0.01	Restriction
Carvone	99-49-0	≤ 0.01	Restriction
Coumarin	91-64-5	≤ 0.21	Restriction
Eugenol	97-53-0	≤ 0.01	Restriction
Geraniol	106-24-1	≤ 0.40	Restriction
Citrus oils and other furocoumarins containing essential oils (Bergapten)	-	≤ 0.01	Restriction
Furfural	98-01-1	≤ 0.01	Restriction
Trans-2-hexenal	678-26-3	≤ 0.01	Restriction
1-Octen-3-yl acetate	242-10-6	≤ 0.06	Restriction

#### Additional comments:

**Flavour use consideration** - Due to the possible ingestion of small amounts of fragrance ingredients from their use in products in Categories 1 and 6, materials must not only comply with IFRA Standards but must also be recognized as safe as a flavouring ingredient as defined by the IOFI Code of Practice (www.iofi.org). For more details see chapter 1 of the Guidance for the use of IFRA Standards.

IFRA Category	% Maximum Use Level
IFRA Category 1	Not approved
IFRA Category 2	5.5
IFRA Category 3	10.0
IFRA Category 4	10.0
IFRA Category 5A	10.0
IFRA Category 5B	10.0
IFRA Category 5C	10.0
IFRA Category 5D	8.7
IFRA Category 6	Not approved
IFRA Category 7A	10.0
IFRA Category 7B	10.0
IFRA Category 8	8.7
IFRA Category 9	10.0
IFRA Category 10A	10.0
IFRA Category 10B	10.0
IFRA Category 11A	8.7
IFRA Category 11B	8.7
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	No	Applicable

	conditioners). Hair permanent or other hair chemical treatments (leave-on) (e.g. relaxers), including leave-on hair dyes. Shampoo - Dry (waterless shampoo). Hair deodorizer		(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: 1907/2006** 

I.1 PRODUCT IDENTIFICATION					
PRODUCT NAME	LAVENDER SPIKE, ESSENTIAL OIL				
BIOLOGICAL DEFINITION	LAVANDULA LATIFOLIA HERB OIL IS AN ESSENTIAL OIL DISTILLED FROM THE FLOWERING HERBS OF THE LAVENDER, LAVANDULA LATIFOLIA (SYN: LAVANDULA SPICA), LABIATAE.				
INCI NAME	LAVANDULA LATIFOL	Lavandula Latifolia Herb Oil			
SYNONYMS & TRADE NAMES	-				
INTERNAL PRODUCT CODE					
CAS-No	84837-04-7	EC No.	284-290-6	EINECS No.	284-290-6
	A SHEET				
	Madar Corporation		tate, Fordingbridge, SP6	1PA	
	Madar Corporation 19 - 20 Sandlehea	th Industrial Es	tate, Fordingbridge, SP6	1PA	
DETAILS OF THE SUPPLIER OF THE SAFETY DAT	Madar Corporation 19 - 20 Sandlehea TECHNICALCREW@OA	th Industrial Es	tate, Fordingbridge, SP6	1PA	

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)	PHYSICAL HAZARDS: NOT CLASSIFIED.  HEALTH HAZARDS: ASP. TOX. 1 - H304, SKIN IRRIT. 2 - H315, SKIN SENS. 1B - H317, EYE DAM. 1 - H318,  REPR. 2 – H361  ENVIRONMENTAL HAZARDS: AQUATIC CHRONIC 2 - H411
2.2 LABEL ELEMENTS	LABEL IN ACCORDANCE WITH REGULATION (EC) NO 1272/2008.
GHS LABEL	GHS05 GHS07 GHS08 GHS09
Signal Word	DANGER.
Contains	D-CAMPHOR
Hazards Statement	H304 MAY BE FATAL IF SWALLOWED AND ENTERS AIRWAYS. H315 CAUSES SKIN IRRITATION. H317 MAY CAUSE AN ALLERGIC SKIN REACTION. H318 CAUSES SERIOUS EYE DAMAGE. H361 SUSPECTED OF DAMAGING FERTILITY OR THE UNBORN CHILD. H411 TOXIC TO AQUATIC LIFE WITH LONG LASTING EFFECTS.
Precautionary Statements	P261 AVOID BREATHING VAPOURS/SPRAY. P273 AVOID RELEASE TO THE ENVIRONMENT. P280 WEAR PROTECTIVE GLOVES/PROTECTIVE CLOTHING/EYE PROTECTION/FACE PROTECTION. P301+P310 IF SWALLOWED: IMMEDIATELY CALL A POISON CENTER/DOCTOR. P302+P352 IF ON SKIN: WASH WITH PLENTY OF SOAP AND WATER. P305+P351+P338 IF IN EYES: RINSE CAUTIOUSLY WITH WATER FOR SEVERAL MINUTES. REMOVE CONTACT LENSES, IF PRESENT AND EASY TO DO. CONTINUE RINSING. P308+P313 IF EXPOSED OR CONCERNED: GET MEDICAL ADVICE/ATTENTION. P331 DO NOT INDUCE VOMITING. P331 P S113 IF SKIN IRRITATION OR RASH OCCURS: GET MEDICAL ADVICE/ATTENTION. P391 COLLECT SPILLAGE. P501 DISPOSE OF CONTENTS/CONTAINER IN ACCORDANCE WITH NATIONAL REGULATIONS
SUPPLEMENTARY PRECAUTIONARY STATEMENTS	P264 WASH HANDS THOROUGHLY AFTER HANDLING
	SECTION 16 (OTHER INFORMATION): RISK & SAFETY PHRASES IN FULL.
2.3 OTHER HAZARDS	
Adverse physio-chemical properties	NO ADDITIONAL DATA AVAILABLE
ADVERSE EFFECTS ON HUMAN HEALTH	NO ADDITIONAL DATA AVAILABLE
PBT OR VPVB ACCORDING TO ANNEX XIII	No Additonal Data Available
SECTION 3: COMPOSITION OF INGREDIEN	
	≤ <b>35.0% LINALOOL</b> CAS NO: 78-70-6 EC NO: 201-134-4 CLASSIFICATION (EC 1272/2008) SKIN IRRIT. 2 − H315, SKIN SENS. 1B - H317, EYE IRRIT. 2 - H319
3.2 MIXTURES	<b>15.0 – 25.0% LINALYL ACETATE</b> CAS No: 115-95-7, EC No: 204-116-4 CLASSIFICATION (EC 1272/2008) SKIN IRRIT. 2 - H315, SKIN SENS. 1B - H317, EYE IRRIT. 2 - H319
	<b>15.0 - 25.0% 1,8-Cineole</b> CAS No: 470-82-6 EC No: 207-431-5 CLASSIFICATION (EC 1272/2008) FLAM. LIQ. 3 - H226, SKIN SENS. 1B - H317



≤ 10.0% D-LIMONENE

CAS No: 5989-27-5, EC No: 227-813-5

CLASSIFICATION (EC 1272/2008) FLAM. LIQ. 3 - H226, ASP. Tox. 1 - H304, Skin Irrit. 2 - H315, Skin Sens. 1 - H317, Aquatic Acute 1 - H400, Aquatic Chronic 1 - H410

1.0 - 5.0 % D-CAMPHOR

CAS No: 464-49-3 EC No:207-355-2

CLASSIFICATION (EC 1272/2008) CLASSIFICATION (EC 1272/2008) FLAM. Sol. 2 - H228, SKIN IRRIT. 2 - H315, EYE DAM. 1 - H318, ACUTE TOX. 4 - H332, STOT SE 2 - H371

1.0 – 5.0% ALPHA-PINENE CAS No: 80-56-8 EC No: 201-291-9

CLASSIFICATION (EC 1272/2008) FLAM. LIQ. 3 - H226, ACUTE TOX. 4 - H302, ASP. TOX. 1 - H304, Skin Irrit. 2 - H315, Skin Sens. 1 - H317, Aquatic Acute 1 - H400, Aquatic Chronic 1 - H410

1.0 – 5.0% PARA-CYMENE CAS No: 99-87-6 EC No: 202-796-7

CLASSIFICATION (EC 1272/2008) FLAM. LIQ. 3-H226, ASP. TOX. 1-H304, REPR. 2-H361, AQUATIC CHRONIC 2-H411

1.0 - 5.0% TERPINEN-4-OL CAS No: 562-74-3 EC No: 209-235-5

CLASSIFICATION (EC 1272/2008) ACUTE TOX. 4 - H302, SKIN IRRIT. 2 - H315, SKIN SENS. 1 - H317, EYE IRRIT. 2 - H319, STOT SE 3 - H336

**1.0–5.0% 3,7-DIMETHYLOCTA-1,3,6-TRIENE** CAS NO: 13877-91-3 EC NO: 237-641-2 CLASSIFICATION (EC 1272/2008) FLAM. LIQ. 3 - H226, ASP. TOX. 1 - H304, SKIN IRRIT. 2 - H315,

AQUATIC ACUTE 1 - H400, AQUATIC CHRONIC 2 - H411

**1.0 – 5.0% GERANYL ACETATE** CAS No: 105-87-3 EC No: 203-341-5

CLASSIFICATION (EC 1272/2008) SKIN IRRIT. 2 - H315, SKIN SENS. 1 - H317, AQUATIC CHRONIC 3 - H412

**1.0 – 5.0% Myrcene** CAS No: 123-35-3 EC No: 204-622-5

CLASSIFICATION (EC 1272/2008) FLAM. LIQ. 3 - H226, ASP. TOX. 1 - H304, SKIN IRRIT. 2 - H315,

Eye Irrit. 2 - H319, AQUATIC ACUTE 1 - H400, AQUATIC CHRONIC 2 - H411

1.0 - 5.0% SABINENE CAS No: 3387-41-5 EC No: 222-212-4

CLASSIFICATION (EC 1272/2008) ACUTE Tox. 4 - H302

**1.0 – 5.0% GAMMA-TERPINENE** CAS No: 99-85-4 EC No: 202-794-6

CLASSIFICATION (EC 1272/2008) FLAM. LIQ. 3 – H226, REPR. 2 - H361, AQUATIC CHRONIC 2 - H411

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	DO NOT INDUCE VOMITING. INGESTION MAY CAUSE NAUSEA AND VOMITING. IMMEDIATELY RINSE MOUTH AND PROVIDE FRESH AIR. GET MEDICAL ADVICE/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)	Causes burns. Allergic contact dermatitis
4.3	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	A FIRE WILL OFTEN PRODUCE A THICK BLACK SMOKE. EXPOSURE TO DECOMPOSITION PRODUCTS MAY BE HAZARDOUS TO HEALTH. DO NOT BREATHE IN SMOKE.  THERMAL DECOMPOSITION OR COMBUSTION PRODUCTS MAY INCLUDE THE FOLLOWING SUBSTANCES:  CARBON DIOXIDE (CO2), CARBON MONOXIDE (CO), OTHER TOXIC GASES.  CONTAINERS CLOSE TO FIRE SHOULD BE REMOVED OR COOLED WITH WATER.
5.3 Advice for fire-fighters	AVOID INHALATION OF GENERATED FUMES OR VAPOURS. WEAR SELF-CONTAINED BREATHING APPARATUS AND APPROPRIAT PROTECTIVE CLOTHING.
SECTION 6: ACCIDENTAL RELEASE MEASUR	RES
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 SECTIONS 7, 8 & 13.
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.
	MANUFACTURING AND INDUSTRIAL HYGIENE PRACTICES. USE IN AREAS WITH ADEQUATE VENTILATION DO NOT EAT, DRINK OR
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	NO ADDITIONAL DATA AVAILABLE.
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	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.
	AVOID SKIN CONTACT.
	WEAR SUITABLE PROTECTIVE CLOTHING. SUITABLE TYPE OF PROTECTIVE CLOTHING:
	IN THE EVENT OF SUBSTANTIAL SPATTER, WEAR LIQUID-TIGHT PROTECTIVE CLOTHING AGAINST CHEMICAL RISKS (TYPE 3) IN
OTHER PROTECTION	ACCORDANCE WITH EN14605 TO PREVENT SKIN CONTACT.
	In the event of a risk of splashing, wear protective clothing against chemical risks (type 6) in accordance with EN13034 to prevent skin contact.
	WORK CLOTHING WORN BY PERSONNEL SHALL BE LAUNDERED REGULARLY.
	AFTER CONTACT WITH THE PRODUCT, ALL PARTS OF THE BODY THAT HAVE BEEN SOILED MUST BE WASHED.
Process Conditions	Ensure area is well ventilated. Avoid vapour inhalation. Safety shower & Eye bath.
ENVIROMENTAL EXPOSURE CONTROLS	AVOID DISCHARGING INTO DRAINAGE WATER. ONLY ELIMINATE BY AUTHORISED COMPANIES.
9.1	
PHYSICAL & CHEMICAL PROPERTIES	
PHYSICAL & CHEMICAL PROPERTIES  APPEARANCE	LIQUID
PHYSICAL & CHEMICAL PROPERTIES  APPEARANCE  COLOUR	LIQUID  COLOURLESS - PALE YELLOW
PHYSICAL & CHEMICAL PROPERTIES  APPEARANCE  COLOUR  ODOUR	Lagor
PHYSICAL & CHEMICAL PROPERTIES  APPEARANCE  COLOUR  ODOUR  RELATIVE DENSITY	COLOURLESS - PALE YELLOW
PHYSICAL & CHEMICAL PROPERTIES  APPEARANCE  COLOUR  ODOUR  RELATIVE DENSITY  FLASH POINT (°C)	COLOURLESS - PALE YELLOW  CHARACTERISTIC
PHYSICAL & CHEMICAL PROPERTIES  APPEARANCE  COLOUR  ODOUR  RELATIVE DENSITY	COLOURLESS - PALE YELLOW  CHARACTERISTIC  APPROX. 0.885 @ 20°C
PHYSICAL & CHEMICAL PROPERTIES  APPEARANCE COLOUR ODOUR RELATIVE DENSITY FLASH POINT (°C) REFRACTIVE INDEX @ 20 °C SOLUBILITY IN WATER @ 20 °C	COLOURLESS - PALE YELLOW  CHARACTERISTIC  APPROX. 0.885 @ 20°C  68°C.
PHYSICAL & CHEMICAL PROPERTIES  APPEARANCE COLOUR ODOUR RELATIVE DENSITY FLASH POINT (°C) REFRACTIVE INDEX @ 20 °C	COLOURLESS - PALE YELLOW  CHARACTERISTIC  APPROX. 0.885 @ 20°C  68°C.  APPROX. 1.460 @ 20°C
PHYSICAL & CHEMICAL PROPERTIES  APPEARANCE COLOUR ODOUR RELATIVE DENSITY FLASH POINT (°C) REFRACTIVE INDEX @ 20 °C SOLUBILITY IN WATER @ 20 °C 9.2	COLOURLESS - PALE YELLOW  CHARACTERISTIC  APPROX. 0.885 @ 20°C  68°C.  APPROX. 1.460 @ 20°C  INSOLUBLE IN WATER
PHYSICAL & CHEMICAL PROPERTIES  APPEARANCE COLOUR ODOUR RELATIVE DENSITY FLASH POINT (°C) REFRACTIVE INDEX @ 20 °C SOLUBILITY IN WATER @ 20 °C 9.2 OTHER INFORMATION	COLOURLESS - PALE YELLOW  CHARACTERISTIC  APPROX. 0.885 @ 20°C  68°C.  APPROX. 1.460 @ 20°C  INSOLUBLE IN WATER
PHYSICAL & CHEMICAL PROPERTIES  APPEARANCE COLOUR ODOUR RELATIVE DENSITY FLASH POINT (°C) REFRACTIVE INDEX @ 20 °C SOLUBILITY IN WATER @ 20 °C 9.2 OTHER INFORMATION SECTION 10: STABILITY & REACTIVITY	COLOURLESS - PALE YELLOW  CHARACTERISTIC  APPROX. 0.885 @ 20°C  68°C.  APPROX. 1.460 @ 20°C  INSOLUBLE IN WATER  NO DATA.
PHYSICAL & CHEMICAL PROPERTIES  APPEARANCE COLOUR ODOUR RELATIVE DENSITY FLASH POINT (°C) REFRACTIVE INDEX @ 20 °C SOLUBILITY IN WATER @ 20 °C 9.2 OTHER INFORMATION SECTION 10: STABILITY & REACTIVITY  10.1 REACTIVITY 10.2	COLOURLESS - PALE YELLOW  CHARACTERISTIC  APPROX. 0.885 @ 20°C  68°C.  APPROX. 1.460 @ 20°C  INSOLUBLE IN WATER  NO DATA.  NOT APPLICABLE.
PHYSICAL & CHEMICAL PROPERTIES  APPEARANCE COLOUR ODOUR RELATIVE DENSITY FLASH POINT (°C) REFRACTIVE INDEX @ 20 °C SOLUBILITY IN WATER @ 20 °C 9.2 OTHER INFORMATION SECTION 10: STABILITY & REACTIVITY  10.1 REACTIVITY 10.2 CHEMICAL STABILITY 10.3	COLOURLESS - PALE YELLOW  CHARACTERISTIC  APPROX. 0.885 @ 20°C  68°C.  APPROX. 1.460 @ 20°C  INSOLUBLE IN WATER  NO DATA.  NOT APPLICABLE.  STABLE UNDER SUGGESTED STORAGE CONDITIONS (<15°C).
PHYSICAL & CHEMICAL PROPERTIES  APPEARANCE COLOUR ODOUR RELATIVE DENSITY FLASH POINT (°C) REFRACTIVE INDEX @ 20 °C SOLUBILITY IN WATER @ 20 °C 9.2 OTHER INFORMATION SECTION 10: STABILITY & REACTIVITY  10.1 REACTIVITY 10.2 CHEMICAL STABILITY 110.3 POSSIBILITY OF HAZARDOUS REACTIONS	COLOURLESS - PALE YELLOW  CHARACTERISTIC  APPROX. 0.885 @ 20°C  68°C.  APPROX. 1.460 @ 20°C  INSOLUBLE IN WATER  NO DATA.  NOT APPLICABLE.  STABLE UNDER SUGGESTED STORAGE CONDITIONS (<15°C).  NO.
PHYSICAL & CHEMICAL PROPERTIES  APPEARANCE COLOUR ODOUR RELATIVE DENSITY FLASH POINT (°C) REFRACTIVE INDEX @ 20 °C SOLUBILITY IN WATER @ 20 °C 9.2 OTHER INFORMATION SECTION 10: STABILITY & REACTIVITY  10.1 REACTIVITY 10.2 CHEMICAL STABILITY 10.3 POSSIBILITY OF HAZARDOUS REACTIONS 10.4	COLOURLESS - PALE YELLOW  CHARACTERISTIC  APPROX. 0.885 @ 20°C  68°C.  APPROX. 1.460 @ 20°C  INSOLUBLE IN WATER  NO DATA.  NOT APPLICABLE.  STABLE UNDER SUGGESTED STORAGE CONDITIONS (<15°C).  NO.  KEEP AWAY FROM HEAT, HOT SURFACES, SPARKS, OPEN FLAMES AND OTHER IGNITION SOURCES. PREVENT STORING THE



SECTION 11: TOXICOLOGICAL INFORMATION		
11.1 TOXICOLOGICAL EFFECTS		
Αςυτε Τοχιςιτγ	NOT CLASSIFIED	
SKIN IRRITATION	CONSIDERED A SKIN IRRITANT (ROUTE: DRM). THERE MAY BE IRRITATION AND REDNESS AT SITE OF CONTACT.	
EYE DAMAGE OR IRRITATION	CAUSES SERIOUS EYE DAMAGE	
RESPIRATORY OR SKIN SENSITIVITY	SKIN — MAY CAUSE AN ALLERGIC SKIN REACTION	
GERM CELL MUTAGENICITY	NOT CLASSIFIED.	
CARCINOGENICITY	NOT CLASSIFIED.	
REPRODUCTIVE TOXICITY	SUSPECTED OF DAMAGING FERTILITY OR THE UNBORN CHILD	
STOT – SINGLE EXPOSURE	NOT CLASSIFIED.	
STOT - REPEATED EXPOSURE		
	NOT CLASSIFIED.	
ASPIRATION HAZARD	MAY BE FATAL IF SWALLOWED AND ENTERS AIRWAYS.	
OTHER INFORMATION	NO DATA.	
12.1 ΤοχισιτΥ	AQUATIC LIFE: VERY TOXIC TO AQUATIC LIFE WITH LONG LASTING EFFECTS.	
12.2 PERSISTENCE & DEGRADABILITY	NO ADDITIONAL DATA AVAILABLE.	
12.3 BIO- ACCUMULATIVE POTENTIAL	NO ADDITIONAL DATA AVAILABLE.	
12.4 MOBILITY IN SOIL	NO ADDITIONAL DATA AVAILABLE.	
12.5 RESULTS OF PBT & VPVB ASSESSMENT	NO ADDITIONAL DATA AVAILABLE.	
12.6 OTHER ADVERSE EFFECTS	NO ADDITIONAL DATA AVAILABLE.	
SECTION 13: DISPOSAL INFORMATION		
13.1 WASTE TREATMENT METHODS	DO NOT ALLOW ENTRY INTO DRAINS OR WATERWAYS.  WASTE:  WASTE MANAGEMENT IS CARRIED OUT WITHOUT ENDANGERING HUMAN HEALTH, WITHOUT HARMING THE ENVIRONMENT AND, IN PARTICULAR WITHOUT RISK TO WATER, AIR, SOIL, PLANTS OR ANIMALS.  RECYCLE OR DISPOSE OF WASTE IN COMPLIANCE WITH CURRENT LEGISLATION, PREFERABLY VIA A CERTIFIED COLLECTOR OR COMPANY.  DO NOT CONTAMINATE THE GROUND OR WATER WITH WASTE. DO NOT DISPOSE OF WASTE INTO THE ENVIRONMENT.  SOILED PACKAGING:  EMPTY CONTAINER COMPLETELY. KEEP LABEL(S) ON CONTAINER.  DISPOSE OF VIA A CERTIFIED DISPOSAL CONTRACTOR.	

#### **SECTION 14: TRANSPORT INFORMATION**

14.1 TRANSPORT INFORMATION	
I KANSPORT INFORMATION	ROAD: 3082
UN Number	SEA: 3082
	AIR: 3082
14.3 TRANSPORT HAZARD CLASS(ES)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE LIQUID, N.O.S  ADR/RID ADR/RID—CLASS 9 ADR CLASSIFICATION CODE — M6 SPECIAL PROVISIONS — 27 4 335 375 601 LIMITED QUANTITIES — 51 EXPECTED QUANTITIES — E1 EMERGENCY ACTION CODE — *3Z  IMDG IMDG — CLASS 9 SPECIAL PROVISIONS — 27 4 335 375 601 LIMITED QUANTITIES — 51 EXPECTED QUANTITIES — 51 IMDG EMS — FA, SF STOWAGE AND HANDLING — CATEGORY A  ICAO/IATA— CLASS 9 IATA PROPER SHIPPING NAME - ENVIRONMENTALLY HAZARDOUS SUBSTANCE LIQUID N.O.S. EXPECTED QUANTITIES — E1 TRANSPORT LABELS  MISCELLANEOUS GOODS 9
14.4 PACKING GROUP	ADR/RID/ADN PACKING GROUP III IMDG PACKING GROUP III ICAO PACKING GROUP III
14.5 Enviromental Hazards	ENVIRONMENTALLY HAZARDOUS SUBSTANCE/MARINE POLLUTANT.
14.6 SPECIAL PRECAUTIONS FOR USER	SEE SECTIONS 6 – 8.
14.7 TRANSPORT IN BULK ACCORDING TO ANNEX II OF MARPOL73/78 & THE IBC CODE.	NOT APPLICABLE.
SECTION 15: REGULATORY INFORMATION	
15.1 PRODUCT SPECIFIC SAFETY, HEALTH & ENVIRONMENTAL REGULATIONS & LEGISLATION	
EU Directives	REGULATION (EC) NO 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL OF 18 <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 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	H226 FLAMMABLE LIQUID AND VAPOUR. H228 FLAMMABLE SOLID H302 H226 FLAMMABLE LIQUID AND VAPOUR. H228 FLAMMABLE SOLID H304 MAY BE FATAL IF SWALLOWED AND ENTERS AIRWAYS. H315 CAUSES SKIN IRRITATION. H317 MAY CAUSE AN ALLERGIC SKIN REACTION. H318 CAUSES SERIOUS EYE DAMAGE. H319 CAUSES SERIOUS EYE IRRITATION. H332 HARMFUL IF INHALED. H336 MAY CAUSE DROWSINESS OR DIZZINESS. H361 SUSPECTED OF DAMAGING FERTILITY OR THE UNBORN CHILD. H371 MAY CAUSE DAMAGE TO ORGANS. H400 VERY TOXIC TO AQUATIC LIFE. H411 TOXIC TO AQUATIC LIFE WITH LONG LASTING EFFECTS. H412 HARMFUL TO AQUATIC LIFE WITH LONG LASTING EFFECTS.
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 <sup>TH</sup> APRIL 2018	Data Launch
FEBRUARY 2021	Review



## **SPECIFICATION SHEET**

PRODUCT NAME: LAVENDER SPIKE, ESSENTIAL OIL

PRODUCT INCI: LAVANDULA LATIFOLIA HERB OIL

CAS NUMBER: 84837-04-7 EINECS NUMBER: 284-290-6

MANUFACTURING METHOD: STEAM DISTILLATION

SHELF LIFE / BEST BEFORE: 24 MONTHS

ANALYTICAL DETAILS	RANGE
Appearance	LIQUID
Colour	COLOURLESS — PALE YELLOW
Odour	CHARACTERISTIC
SPECIFIC GRAVITY @ 20°C	0.870 – 0.900
REFRACTIVE INDEX @ 20°C	1.450 – 1.470
OPTICAL ROTATION (°C)	-10.0 to +0.0

#### **STORAGE CONDITIONS**

STORE IN A COOL DRY PLACE AWAY FROM HEAT & SUNLIGHT

**DOCUMENTATION REVIEW DATE:** 

FEBRUARY 2021



## **Vegetarian & Vegan Suitability Statement**

PRODUCT NAME: Spike Lavender Essential Oil

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

30-09-2021