CERTIFICATE OF ANALYSIS

PRODUCT NAME: BASIL, ESSENTIAL OIL (METHYL CHAVICOL TYPE)

BATCH NUMBER: 4533508

PRODUCT INCI: OCIMUM BASILICUM OIL

PRODUCT CODE: OEBASI

CAS NUMBER: 8015-73-4 / 84775-71-3

EINECS NUMBER: 283-900-8

BEST BEFORE DATE: February 2027

ANALYTICAL DETAILS	Range	RESULTS
APPEARANCE	LIQUID	-
COLOUR	PALE YELLOW - YELLOW - BROWN	-
Odour	CHARACTERISTIC OF BASIL	-
SPECIFIC GRAVITY @ 20°C	0.900 - 0.973	0.9381
Refractive Index @ 20°C	1.490 – 1.530	1.5059
OPTICAL ROTATION (°C)	-15.0 то +2.0	-6.1

STORAGE CONDITIONS

Store in a cool dry place away from heat & sunlight

ALLERGEN STATEMENT

PRODUCT NAME: BASIL (METHYL CHAVICOL TYPE), ESSENTIAL OIL

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	≤ 1.0
71	EUGENOL	97-53-0	≤ 0.1
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	0.000
79	HYDROXYISOHEXYL 3-CYCLOHEXENE 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	≤ 25.0
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	≤ 0.6
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

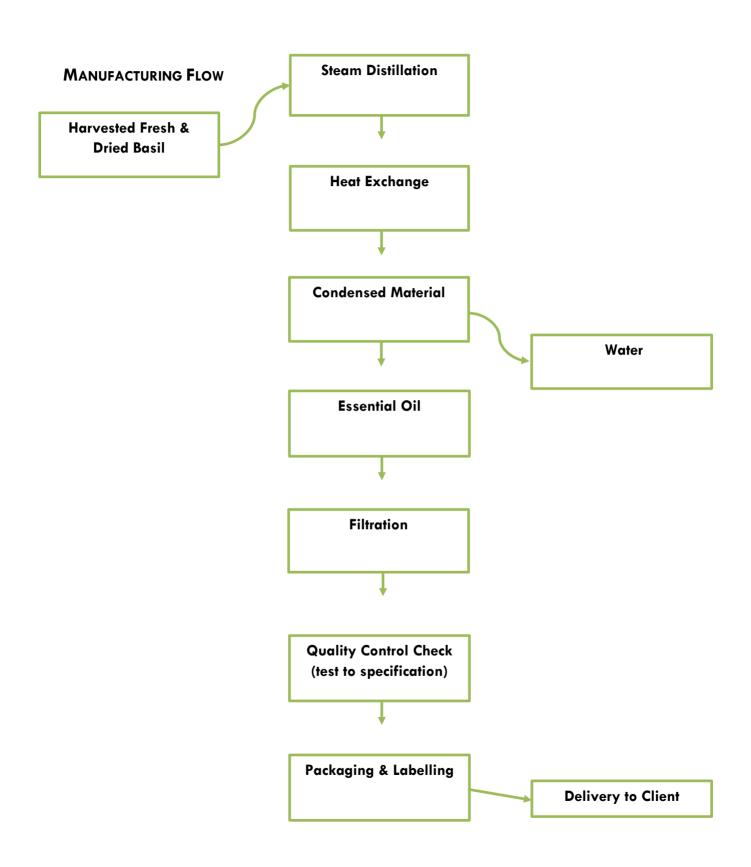
MANUFACTURING FLOW & INCI STATEMENT

PRODUCT NAME: BASIL (MENTHYL CHAVICOL TYPE), ESSENTIAL OIL

INCI STATEMENT

We can hereby confirm the following composition breakdown & manufacturing process flow.

INCI Name	% Inclusion	CAS Number
Ocimum Basilicum Oil	100	84775-71-3 / 8015-73-4



GMO Statement

PRODUCT NAME: Basil

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

15-01-21

IFRA STATEMENT

PRODUCT NAME: BASIL (METHYL CHAVICOL TYPE), ESSENTIAL OIL

PRODUCT INCI: OCIMUM BASILICUM OIL

WE CERTIFY THAT THE ABOVE-MENTIONED MATERIAL CONFORMS TO THE IFRA 50 CODE OF PRACTICE AND CONTAINS THE FOLLOWING RESTRICTED COMPONENTS THAT ARE LISTED IN THE 50TH AMENDMENT OF THE IFRA CODE OF PRACTICE:

Restricted Component	Cas No:	% Level in Product	IFRA Standard
Citral	5392-40-5	1.20	Restriction Std (QRA cat)
Eugenol	97-53-0	0.50	Restriction Std (non QRA cat)
Estragole / Methyl Chavicol	140-67-0	76.0	Restriction Std (non QRA cat)
Methyl Eugenol	93-15-2	0.40	Restriction Std (non QRA cat)

IFRA Category	% Maximum Use Level
IFRA Category 1	0.01
IFRA Category 2	0.03
IFRA Category 3	0.01
IFRA Category 4	0.55
IFRA Category 5A	0.09
IFRA Category 5B	0.00
IFRA Category 5C	0.01
IFRA Category 5D	0.00
IFRA Category 6	0.04
IFRA Category 7A	0.01
IFRA Category 7B	0.01
IFRA Category 8	0.00
IFRA Category 9	0.06
IFRA Category 10A	0.06
IFRA Category 10B	0.06
IFRA Category 11A	0.00
IFRA Category 11B	0.00
IFRA Category 12	1.97

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: 1907/2006

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING					
1.1 PRODUCT IDENTIFICATION					
PRODUCT NAME	Basil, Essential Oil	. (METHYL CHAVI	col Type)		
BIOLOGICAL DEFINITION	Ocimum Basilicum	OIL IS THE VOLAT	TILE OIL OBTAINED FROM THE LEAV	/es of the Basil, Oci	imum basilicum L., Labiatae.
INCI NAME	Ocimum Basilicum	OIL			
Synonyms & Trade Names	BASIL OIL TROPICAL / BASIL OIL MC				
INTERNAL PRODUCT CODE					
CAS-No	84775-71-3 / 8015-73-4	EC No.	283-900-8	EINECS No.	283-900-8
1.2 Details of the supplier of the safety data sheet					
COMPANY ADDRESS	Madar Corporation Limited 19 - 20 Sandleheath Industrial Estate, Fordingbridge, SP6 1PA				
EMAIL	technical@madarcorporation.co.uk				
1.3 DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET					
EMERGENCY CONTACTS	01425 655 555				

SECTION 2: HAZARDS IDENTIFICATION	
2.1 CLASSIFICATION OF THE SUBSTANCE OR MIXTURE	THE FULL TEXT FOR ALL HAZARD STATEMENTS IS DISPLAYED IN SECTION 16.
CLASSIFICATION (67/548/EEC)	NO ADDITIONAL DATA AVAILABLE.
CLASSIFICATION (EU1272/2008)	Acute toxicity - Oral Category 4 - (H302) Skin corrosion/irritation Category 2 - (H315) Serious eye damage/eye irritation Category 2 - (H319) Skin sensitization Category 1 - (H317) Germ cell mutagenicity Category 2 - (H341) Carcinogenicity Category 2 - (H351) Chronic aquatic toxicity Category 3 - (H412)
2.2 LABEL ELEMENTS	LABEL IN ACCORDANCE WITH REGULATION (EC) NO 1272/2008.
GHS LABEL	GHS08 GHS07 GHS07
Signal Word	Warning.
Contains	Estragole
HAZARDS STATEMENT	H302 - Harmful if swallowed H315 - Causes skin irritation H317 - May cause an allergic skin reaction H319 - Causes serious eye irritation H341 - Suspected of causing genetic defects H351 - Suspected of causing cancer H412 – Harmful to aquatic life with long lasting effects
Signal Word	WARNING.
Precautionary Statements	 P201 Obtain instruction before use. 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 or doctor/physician. P302 + P352 - IF ON SKIN: Wash with plenty of soap and water. P305 + P353 + 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. P501 Dispose of contents in accordance with local, state or national legislation.
SUPPLEMENTARY PRECAUTIONARY STATEMENTS	P362+P364 Take OFF CONTAMINATED CLOTHING. AND WASH IT BEFORE REUSE.
5	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 ADDITIONAL DATA AVAILABLE.
SECTION 3: COMPOSITION OF INGREDIEN	TS

3.1 Substances	NOT APPLICABLE.
	≤76.0% Estragole CAS-NO: 140-67-0, EC NO: 205-427-8
3.2 Mixtures	CLASSIFICATION (EC 1272/2008); ACUTE TOX. 4 - H302, SKIN SENS. 1 - H317, MUTA. 2 - H341, CARC. 2 - H351
	≤ 25.0% LINALOOL 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
	≤ 1.0% CITRAL CAS-NO: 5392-40-5, EC NO: 226-394-6
	Classification (EC 1272/2008); Skin Irrit. 2 - H315, Skin Sens. 1B - H317, Eye Irrit. 2 - H319
	≤ 0.6% 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
	≤ 0.5% METHYL EUGENOL CAS-NO: 93-15-2, EC NO: 202-223-0
	CLASSIFICATION (EC 1272/2008); ACUTE TOX. 4 - H302, MUTA. 2 - H341, CARC. 2 - H351
	≤ 0.1% EUGENOL CAS-NO: 97-53-0, EC NO: 202-589-1
	CLASSIFICATION (EC 1272/2008); SKIN SENS. 1B - H317, EYE IRRIT. 2 - H319

4.1	
DESCRIPTION OF FIRST AID MEASURES	
GENERAL INFORMATION	ALWAYS REMOVE CONTAMINATED CLOTHING IMMEDIATELY.
	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. INGESTION MAY CAUSE
	NAUSEA AND 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	NO ADDITIONAL DATA AVAILABLE.
MOST IMPORTANT SYMPTOMS & EFFECTS (ACUTE & DELAYED)	
4.3	
INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION OR	NOTE TO PHYSICIANS: 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. COMBUSTIBLE MATERIAL. COLLECT SPILLAGE.
6.3 METHODS FOR CONTAINMENT: METHODS & MATERIAL FOR CONTAINMENT AND CLEANING CONTAIN AND COLLECT SPILLAGE WITH NON-COMBUSTIBLE ABSORBENT MATERIAL, (E.G. SAND, EARTH, DIATOMACEOUS EARTH,	

UP	VERMICULITE) AND PLACE IN CONTAINER FOR DISPOSAL ACCORDING TO LOCAL / NATIONAL REGULATIONS (SEE SECTION 13). METHODS FOR CLEANING UP: COVER LIQUID SPILL WITH SAND, EARTH OR OTHER NON-COMBUSTIBLE ABSORBENT MATERIAL. SWEEP UP AND SHOVEL INTO SUITABLE CONTAINERS FOR DISPOSAL.	
6.4 References to other sections	REFER & CONSIDER SECTIONS 4, 7, 8 & 13.	
	·	
SECTION 7: HANDLING & STORAGE		
7.1 Precautions for safe-handling	Advice on safe handling: Avoid contact with skin, eyes or clothing. Do not breathe vapours/spray. Ensure adequate ventilation, especially in confined areas. Use personal protection recommended in Section 8. General hygiene considerations: Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling. Handle in accordance with good industrial hygiene and safety practice.	
7.2 Conditions for safe storage, including any incompatibilities	STORAGE CONDITIONS: PROTECT FROM DIRECT SUNLIGHT. KEEP CONTAINERS TIGHTLY CLOSED IN A DRY, COOL AND WELL-VENTILATED PLACE.	
7.3 Specific end use(s)	RISK MANAGEMENT METHODS (RMM) The information required is contained in this Material Safety Data Sheet.	
SECTION 8: EXPOSURE CONTROLS & PERSONAL PROTECTION		
8.1 Control Parameters	NO ADDITIONAL DATA AVAILABLE.	
8.2		
8.2 EXPOSURE CONTROLS		
	AVOID CONTACT WITH EYES, WEAR SAFETY GLASSES WITH SIDE SHIELDS (OR GOGGLES).	
EXPOSURE CONTROLS	AVOID CONTACT WITH EYES. WEAR SAFETY GLASSES WITH SIDE SHIELDS (OR GOGGLES). WEAR SUITABLE PROTECTIVE GLOVES.	
EXPOSURE CONTROLS		
EXPOSURE CONTROLS	WEAR SUITABLE PROTECTIVE GLOVES. 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	
EXPOSURE CONTROLS TO THE PROTECTION HAND PROTECTION RESPIRATORY EQUIPMENT	WEAR SUITABLE PROTECTIVE GLOVES. 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. GOOD PERSONAL HYGIENE PRACTICES ARE ALWAYS ADVISABLE, ESPECIALLY WHEN WORKING WITH CHEMICALS / OILS. ENSURE ADEQUATE VENTILATION, ESPECIALLY IN CONFINED AREAS. PROVIDE SAFETY SHOWERS AND EYEWASH STATIONS	
EXPOSURE CONTROLS CONTROLS EYE PROTECTION HAND PROTECTION RESPIRATORY EQUIPMENT HYGIENE MEASURES ENGINEERING MEASURES	WEAR SUITABLE PROTECTIVE GLOVES. 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. GOOD PERSONAL HYGIENE PRACTICES ARE ALWAYS ADVISABLE, ESPECIALLY WHEN WORKING WITH CHEMICALS / OILS. ENSURE ADEQUATE VENTILATION, ESPECIALLY IN CONFINED AREAS. PROVIDE SAFETY SHOWERS AND EYEWASH STATIONS THROUGHOUT THE WORK AREA.	
EXPOSURE CONTROLS TO CONTROLS TO CONTROLS EYE PROTECTION HAND PROTECTION RESPIRATORY EQUIPMENT HYGIENE MEASURES	WEAR SUITABLE PROTECTIVE GLOVES. 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. GOOD PERSONAL HYGIENE PRACTICES ARE ALWAYS ADVISABLE, ESPECIALLY WHEN WORKING WITH CHEMICALS / OILS. ENSURE ADEQUATE VENTILATION, ESPECIALLY IN CONFINED AREAS. PROVIDE SAFETY SHOWERS AND EYEWASH STATIONS THROUGHOUT THE WORK AREA. WEAR PROTECTIVE CLOTHING TO REDUCE THE RISK OF SKIN AND EYE CONTACT.	
EXPOSURE CONTROLS CONTROLS CONTROLS EYE PROTECTION HAND PROTECTION RESPIRATORY EQUIPMENT CONTROLS C	WEAR SUITABLE PROTECTIVE GLOVES. 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. GOOD PERSONAL HYGIENE PRACTICES ARE ALWAYS ADVISABLE, ESPECIALLY WHEN WORKING WITH CHEMICALS / OILS. ENSURE ADEQUATE VENTILATION, ESPECIALLY IN CONFINED AREAS. PROVIDE SAFETY SHOWERS AND EYEWASH STATIONS THROUGHOUT THE WORK AREA. WEAR PROTECTIVE CLOTHING TO REDUCE THE RISK OF SKIN AND EYE CONTACT. AVOID INHALATION OF THE PRODUCT. AVOID CONTACT WITH SKIN AND EYES.	
EXPOSURE CONTROLS CONTROLS EYE PROTECTION HAND PROTECTION HAND PROTECTION RESPIRATORY EQUIPMENT CONTROLS CONT	WEAR SUITABLE PROTECTIVE GLOVES. 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. GOOD PERSONAL HYGIENE PRACTICES ARE ALWAYS ADVISABLE, ESPECIALLY WHEN WORKING WITH CHEMICALS / OILS. ENSURE ADEQUATE VENTILATION, ESPECIALLY IN CONFINED AREAS. PROVIDE SAFETY SHOWERS AND EYEWASH STATIONS THROUGHOUT THE WORK AREA. WEAR PROTECTIVE CLOTHING TO REDUCE THE RISK OF SKIN AND EYE CONTACT. AVOID INHALATION OF THE PRODUCT. AVOID CONTACT WITH SKIN AND EYES. DO NOT INHALE VAPOURS.	
EXPOSURE CONTROLS EYE PROTECTION EYE PROTECTION HAND PROTECTION RESPIRATORY EQUIPMENT CONTROL ENGINEERING MEASURES ENGINEERING MEASURES SKIN PROTECTION PERSONAL PROTECTION OTHER PROTECTION	WEAR SUITABLE PROTECTIVE GLOVES. 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. GOOD PERSONAL HYGIENE PRACTICES ARE ALWAYS ADVISABLE, ESPECIALLY WHEN WORKING WITH CHEMICALS / OILS. ENSURE ADEQUATE VENTILATION, ESPECIALLY IN CONFINED AREAS. PROVIDE SAFETY SHOWERS AND EYEWASH STATIONS THROUGHOUT THE WORK AREA. WEAR PROTECTIVE CLOTHING TO REDUCE THE RISK OF SKIN AND EYE CONTACT. AVOID INHALATION OF THE PRODUCT. AVOID CONTACT WITH SKIN AND EYES.	

SECTION 9: PHYSICAL & CHEMICAL PROPERTIES

9.1 Physical & Chemical Properties	
Appearance	Mobile Liquid
COLOUR	COLOURLESS - PALE YELLOW
Odour	CHARACTERISTIC
RELATIVE DENSITY	Approx. 0.935 @ 20℃
FLASH POINT (°C)	80°C.
R EFRACTIVE INDEX @ 20 °C	Approx. 1.510 @ 20°C
Solubility in water @ 20 °C	INSOLUBLE IN WATER
9.2 Other Information	NO DATA.
SECTION 10: STABILITY & REACTIVITY	
10.1 Reactivity	NOT ADDITIONAL DATA AVAILABLE.
10.2 Chemical stability	Stable under suggested storage conditions (<15 $^{\circ}$ 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	AVOID CONCENTRATED ACIDS, ALKALIS & OXIDISING AGENTS.
10.6 Hazardous decomposition products	This product does not decompose under normal conditions. Under fire conditions the product will produce a mixture of irritating fumes & smoke & carbon monoxide.

SECTION 11: TOXICOLOGICAL INFORMATION 11.1 TOXICOLOGICAL EFFECTS ACUTE TOXICITY HARMFUL IF SWALLOWED. (CALCULATION METHOD) **SKIN IRRITATION** IRRITATING TO SKIN. EYE DAMAGE OR IRRITATION CAUSES SEVERE EYE IRRITATION. RESPIRATORY OR SKIN SENSITIVITY MAY CAUSE SENSITIZATION BY SKIN CONTACT. GERM CELL MUTAGENICITY SUSPECTED OF CAUSING GENETIC DEFECTS. INDIRECT NATURAL ESTRAGOLE. CARCINOGENICITY CONTAINS A KNOWN OR SUSPECTED CARCINOGEN. THIS PRODUCT DOES NOT CONTAIN ANY KNOWN OR SUSPECTED REPRODUCTIVE HAZARDS ABOVE THE **REPRODUCTIVE TOXICITY** THRESHOLD VALUE. STOT - SINGLE EXPOSURE NOT APPLICABLE. **STOT –** REPEATED EXPOSURE NOT APPLICABLE. **ASPIRATION HAZARD** NOT APPLICABLE. **SECTION 12: ECOLOGICAL INFORMATION**

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12.1 Τοχιςιτγ	HARMFUL TO AQUATIC LIFE WITH LONG LASTING EFFECTS.
12.2 Persistence & degradability	No Data.
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	Do not allow product to enter streams, sewers or other waterways.
SECTION 13: DISPOSAL INFORMATION	
13.1 Waste treatment methods	ALWAYS RECOVER SPILLED PRODUCT. DISCARD WASTE MATERIAL WITH AUTHORIZED WASTE MANAGEMENT SERVICES. ACT IN ACCORDANCE WITH LOCAL & NATIONAL WASTE REGULATIONS. DO NOT REUSE CONTAINER.

SECTION 14: TRANSPORT INFORMATION	
14.1 Transport Information	
	ROAD: NOT CLASSIFIED
UN NUMBER	SEA: NOT CLASSIFIED
	AIR: NOT CLASSIFIED
14.2 UN Shipping Name	NOT APPLICABLE.
14.3 Transport hazard class(es)	NOT APPLICABLE.
14.4 Packing Group	NOT APPLICABLE.
14.5 Enviromental Hazards	NOT ENVIRONMENTALLY HAZARDOUS FOR TRANSPORT.
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 TH 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	Assessment has not been carried out as this is a non-hazardous material according to
CHEMICAL SAFETY ASSESSMENT	ARTICLE 31 OF REACH 1907/2006.

SECTION 16: OTHER INFORMATION	
Hazard and/ or Precautionary Statements in full	 H226 - Flammable Liquid and Vapour. H302 - Harmful IF SWALLOWED. H304 - May be fatal IF SWALLOWED and enters airways. H315 - Causes Skin Irritation. H317 - May Cause an allergic Skin Reaction. H319 - Causes Serious eye Irritation. H341 - Suspected of Causing Genetic Defects IF Inhaled. H351 - Suspected of Causing Cancer IF Inhaled. H400 - Very Toxic to Aquatic Life. H410 - Very 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 [™] April 2018	Data Launch
DECEMBER 2020	Review

SPECIFICATION SHEET

PRODUCT NAME: BASIL, ESSENTIAL OIL (METHYL CHAVICOL TYPE) PRODUCT INCI: OCIMUM BASILICUM OIL

CAS NUMBER: 8015-73-4 / 84775-71-3 EINECS NUMBER: 283-900-8

ANALYTICAL DETAILS	RANGE
Appearance	LIQUID
COLOUR	PALE YELLOW - YELLOW - BROWN
Odour	CHARACTERISTIC OF BASIL
SPECIFIC GRAVITY @ 20°C	0.900 – 0.973
REFRACTIVE INDEX @ 20°C	1.490 – 1.530
OPTICAL ROTATION (°C)	-15.0 то +2.0

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

DOCUMENTATION REVIEW DATE:

O_{CTOBER} 2027

Vegetarian & Vegan Suitability Statement

PRODUCT NAME: Basil

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.

15-01-21