

## **CERTIFICATE OF ANALYSIS**

PRODUCT NAME: CITRONELLA JAVA, ESSENTIAL OIL ORGANIC

**BATCH NUMBER: 4**537109

PRODUCT INCI: CYMBOPOGON WINTERIANUS HERB OIL

PRODUCT CODE: OCCITR
CAS NUMBER: 91771-61-8
EINECS NUMBER: 294-954-7

MANUFACTURING METHOD: STEAM DISTILLATION

BEST BEFORE March 2027

Analytical Details	Range	RESULTS
Appearance	LIQUID	COMPLIES
COLOUR	CLEAR - PALE YELLOW — BROWNISH YELLOW	COMPLIES
Odour	CHARACTERISTIC, CITRONELLAL	COMPLIES
Specific Gravity @ 20°C	0.8750 - 0.08930	0.8808
Refractive Index @ 20°C	1.4550 – 1.4750	1.467
OPTICAL ROTATION (°C)	-5.0 то - 0	-2.0

#### **S**TORAGE CONDITIONS

STORE IN A COOL DRY PLACE AWAY FROM HEAT & SUNLIGHT



#### **PRODUCT STATEMENTS**

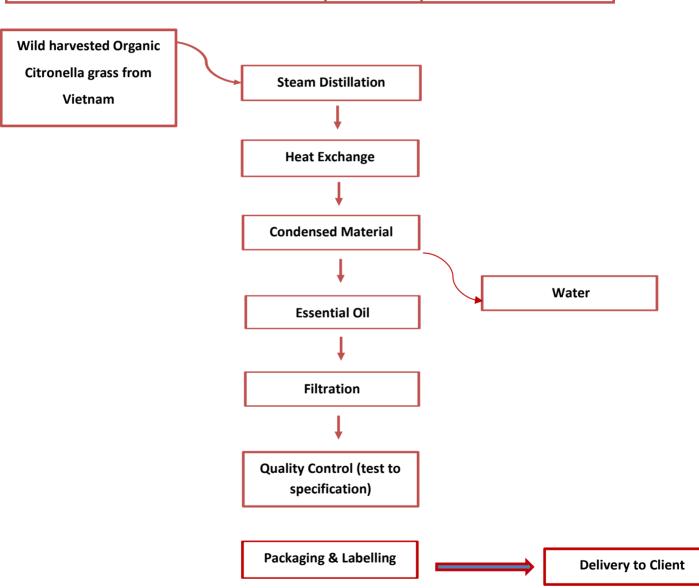
PRODUCT NAME:	Citronella Java, Essential Oil Organic			
INCI:				
	COSMETIC ALLERGENS			
The Follow	ing is from the 7th amendment of the cosmetic directive of the European Union Annex iii.			
nex Illa Reference:		CAS NUMBER:	TOTAL ALLERGEN INCLUSION (%):	
67	AMYL CINNAMAL	122-40-7	0.00	
68	BENZYL ALCOHOL	100-51-6	0.00	
69	CINNAMYL ALCOHOL	104-54-1	0.00	
70	CITRAL	5392-40-5	1.00	
71	EUGENOL	97-53-0	1.00	
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	25.00	
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	1.00	
83	BUTYLPHENYL METHYLPROPIONAL	80-54-6	0.00	
84	LINALOOL	78-70-6	1.00	
85	BENZYL BENZOATE	120-51-4	0.00	
86	CITRONELLOL	106-22-9	18.00	
87	HEXYL CINNAM-ALDEHYDE	101-86-0	0.00	
88	LIMONENE	5989-27-5	5.00	
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	
The following is from the com	FOOD ALLERGENS  mision directive 2007/68/EC of 27th November 2007 amending Annex Illa to Directive 200/13/EC of the European P	Parliament & Council with regards to specific foo	f ingredients.	
nex Illa Reference:		PRESENT IN PRODUCT:	CONTAMINATION PRESENCE:	FACTORY PRESENCE
lex ma Reference.	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

#### Citronella, Essential Oil Organic

INCI Name	% Inclusion	CAS Number
Cymbopogon Winterianus Herb	100	8000-29-1





### **GMO Statement**

PRODUCT NAME: CITRONELLA JAVA, ESSENTIAL OIL ORGANIC

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

24/05/2018



## **IFRA STATEMENT**

PRODUCT NAME: CITRONELLA JAVA, ESSENTIAL OIL ORGANIC

PRODUCT INCI: CYMBOPOGON WINTERIANUS HERB OIL

PRODUCT CODE: K0134

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:

IFRA Category	% Maximum Use Level
IFRA Category 1	Not Approved
IFRA Category 2	1.00
IFRA Category 3	10.00
IFRA Category 4	18.80
IFRA Category 5A	4.80
IFRA Category 5B	4.80
IFRA Category 5C	4.80
IFRA Category 5D	4.80
IFRA Category 6	Not Approved
IFRA Category 7A	20.00
IFRA Category 7B	20.00
IFRA Category 8	2.00
IFRA Category 9	36.80
IFRA Category 10A	Not limited
IFRA Category 10B	Not limited
IFRA Category 11A	5.10
IFRA Category 11B	5.10
IFRA Category 12	Not limited



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)		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		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		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).		Applicable (leave-on products)
Category 5B	Facial toner. Facial moisturizers and creams	No	Applicable
Category 5C	(women facial creams) Hand cream. Nail care products including cuticle creams, etc. Hand sanitizers	No	(leave-on products) Applicable (leave-on products)
Category 5D	Baby cream/lotion, baby oil, baby powders and talc.	No	Applicable
Category 6	Toothpaste. Mouthwash, including breath sprays. Toothpowder, strips, mouthwash tablets		(leave-on products) Applicable (leave-on products)
Category 7A	Hair permanent or other hair chemical treatments (rinse-off) (e.g. relaxers), including rinse-off hair dyes		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		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

SECTION 1: IDENTIFICATION	OF THE SUBST	ANCE/MIX	TURE AND OF THE C	OMPANY/UND	ERTAKING
1.1 PRODUCT IDENTIFICATION					
PRODUCT NAME	Citronella Java	, Essential	OIL ORGANIC		
BIOLOGICAL DEFINITION	THE VOLATILE OIL OBTAINED BY THE STEAM DISTILLATION OF THE SEMI-DRIED AERIAL PARTS OF CYMBOPOGON WINTERIANUS JOWITT.				
INCI NAME	CYMBOPOGON WINTERIANUS HERB OIL				
SYNONYMS & TRADE NAMES	CITRONELLA OIL CHINESE				
INTERNAL PRODUCT CODE	OCCITR				
CAS-No	8000-29-1	EC No.	294-954-1	EINECS No.	294-954-1
1.2  DETAILS OF THE SUPPLIER OF THE SAFETY	/ DATA SHEET				
	MADAR Corporation Limited				
COMPANY ADDRESS	1920 Sandleheath Industrial Estate, Fordingbridge, Hampshire, SP6 1PA				
EMAIL	technical@madarcorporation.co.uk				
1.3 DETAILS OF THE SUPPLIER OF THE SAFETY	/ DATA SHEET				
EMERGENCY CONTACTS	01425 655555 durii	ng office hours	s		

# MYSTIC M@MENTS

SECTION 2: HAZARDS IDENTIFICATION	N
2.1	THE SHALL TEXT FOR ALL HAD OF THE WENT OF ROOM IN SECTION 4/
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 AND CHEMICAL HAZARDS: NOT CLASSIFIED. ACUTE TOXICITY, DERMAL: EYE DAM. 1 – H318 SKIN CORROSION/ IRRITATION: SKIN IRRIT. 2 – H315 SENSITISATION, SKIN: SKIN SENS. 1 – H317 ENVIRONMENT: AQUATIC CHRONIC LONG-TERM HAZARD 3. – H412
2.2 LABEL ELEMENTS	Label in accordance with Regulation (EC) No 1272/2008.
GHS LABEL	
SIGNAL WORD	
CONTAINS	
HAZARDS STATEMENT	H317 M <sub>AY CAUSE</sub> AN ALLERGIC SKIN REACTION· H318 C <sub>AUSES</sub> SERIOUS EYE DAMAGE· H401 T <sub>OXIC</sub> TO AQUATIC LIFE· H411 TOXIC TO AQUATIC LIFE WITH LONG LASTING EFFECTS.
Precautionary Statements	P273 AVOID RELEASE TO THE ENVIRONMENT.  P280 WEAR PROTECTIVE GLOVES/PROTECTIVE CLOTHING/EYE PROTECTION/FACE PROTECTION.  P262 DO NOT GET IN EYES, ON SKIN, OR ON CLOTHING.  P305+351+338 IF IN EYES: RINSE CAUTIOUSLY WITH WATER FOR SEVERAL MINUTES. REMOVE CONTACT LENSES, IF PRESENT AND EASY TO DO. CONTINUE RINSING.
SUPPLEMENTARY PRECAUTIONARY STATEMENTS	P261 AVOID BREATHING DUST/FUME/GAS/MIST/VAPOURS/SPRAY. P264 WASH THOROUGHLY AFTER HANDLING. P272 CONTAMINATED WORK CLOTHING SHOULD NOT BE ALLOWED OUT OF THE WORKPLACE. P302+352 IF ON SKIN: WASH WITH PLENTY OF SOAP AND WATER. P310 IMMEDIATELY CALL A POISON CENTER OR DOCTOR/PHYSICIAN. P321 SPECIFIC TREATMENT (SEE ON THIS LABEL). P332+313 IF SKIN IRRITATION OCCURS: GET MEDICAL ADVICE/ATTENTION. P333+313 IF SKIN IRRITATION OR RASH OCCURS: GET MEDICAL ADVICE/ATTENTION. P362 TAKE OFF CONTAMINATED CLOTHING AND WASH BEFORE REUSE.



LINALOOL CAS-No.: 78-70-6  ATION (EC 1272/2008) SKIN IRRIT. 2 - H315, SKIN SENS. 1 - H317, AQUATIC CHRONIC 2
ER INFORMATION): RISK & SAFETY PHRASES IN FULL.  LINALOOL CAS-No.: 78-70-6
LINALOOL CAS-No.: 78-70-6
CITRONELLOL CAS-No.: 106-22-9 EC No.: 203-375-0  ATION (EC 1272/2008) SKIN IRRIT. 2 - H315, EYE IRRIT. 2 - H319, SKIN SENS. 1 - H317  EUGENOL CAS-No.: 97-53-0 EC No.: 202-589-1  ATION (EC 1272/2008) SKIN IRRIT. 2 - H315, EYE IRRIT. 2 - H319, SKIN SENS. 1 - H317  FARNESOL CAS-No.: 4602-84-0 EC No.: 225-004-1  ATION (EC 1272/2008) SKIN IRRIT. 2 - H315, EYE IRRIT. 2 - H319, SKIN SENS. 1 - H317  CITRAL CAS-No.: 5392-4-5  ATION (EC 1272/2008) SKIN IRRIT. 2 - H315, SKIN SENS. 1 - H317  GERANIOL CAS-No.: 106-24-1 EC No.: 203-377-1  ATION (EC 1272/2008) SKIN IRRIT. 2 - H315, EYE DAM. 1 - H318, SKIN SENS. 1 - H317  LIMONENE CAS-No.: 5989-27-5 EC No.: 227-813-5
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SECTION 4: FIRST AID MEASURES	
<b>4</b> .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
INHALATION	OBTAIN MEDICAL ATTENTION.



INGESTION	GET MEDICAL ATTENTION IMMEDIATELY. IMMEDIATELY CALL THE DOCTOR. RINSE MOUTH WITH WATER AND
INGESTION	OBTAIN MEDICAL ATTENTION.
SKIN CONTACT	REMOVE CONTAMINATED CLOTHES. WASH THOROUGHLY WITH SOAP AND WATER. CONTACT PHYSICIAN IF
SKIN CONTACT	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	Observe risk of aspiration if vomiting occurs.
& Delayed)	
4.3	
INDICATION OF ANY IMMEDIATE MEDICAL	None expected, see Section 4.1 for further information.
ATTENTION OR 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 ME.	ASURES	
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. Avoid inhalation.	
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. COVER WITH AN INERT, INORGANIC, NON-COMBUSTIBLE ABSORBENT MATERIAL (E.G DRY-LIME, SAND, SODA ASH).	
6.4 REFERENCES TO OTHER SECTIONS	Refer & consider section 12.	
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	STORAGE CLASS: FLAMMABLE LIQUID STORAGE. STORE ONLY IN THE ORIGINAL RECEPTACLE. KEEP CONTAINER TIGHTLY SEALED. KEEP IN COOL, DRY, VENTILATED STORAGE AND CLOSED CONTAINERS. KEEP AWAY FROM HEAT.	
7.3 SPECIFIC END USE(S)	RISK MANAGEMENT METHODS (RMM) THE INFORMATION REQUIRED IS CONTAINED IN THIS MATERIAL SAFETY DATA	
SECTION 8: EXPOSURE CONTROLS & PERSONAL PROTECTION		

# MYSTIC M@MENTS

8.1 CONTROL PARAMETERS	NO DATA AVAILABLE.
8.2	
EXPOSURE CONTROLS    Image: Control of the control	
EYE PROTECTION	WEAR PROTECTIVE GLOVES/EYE PROTECTION/FACE PROTECTION. AVOID CONTACT WITH EYES. WEAR APPROVED SAFETY GOGGLES. (EN166)
HAND PROTECTION	AVOID CONTACT WITH SKIN. WASH HANDS BEFORE BREAKS AND AT END OF WORK. WEAR PROTECTIVE GLOVES. DIN/EN 374. THE GLOVE MATERIAL HAS TO BE IMPERMEABLE AND RESISTANT TO THE PRODUCT/ THE SUBSTANCE/ THE PREPARATION. PENETRATION TIME OF GLOVE MATERIAL: THE EXACT BREAK THROUGH TIME HAS TO BE FOUND OUT BY THE MANUFACTURER OF THE PROTECTIVE GLOVES AND HAS TO BE OBSERVED.
RESPIRATORY EQUIPMENT	DO NOT INHALE GASES / FUMES / AEROSOLS. CERTIFIED RESPIRATORY PROTECTIVE DEVICE RECOMMENDED.
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 CONTACT WITH SKIN AND EYES. USE PERSONAL PROTECTION ACCORDING TO DIRECTIVE 89/686/EEC.
OTHER PROTECTION	WEAR SUITABLE PROTECTION TO AVOID CONTACT WITH SKIN AND EYES. DO NOT INHALE VAPOURS.
Process Conditions	Ensure area is well ventilated. Avoid vapour inhalation. Safety shower & Eye bath.
ENVIROMENTAL EXPOSURE CONTROLS	AVOID DISCHARGING INTO DRAINAGE WATER.
SECTION 9: PHYSICAL & CHEMICAL PROPERTIES	
9.1 PHYSICAL & CHEMICAL PROPERTIES	
APPEARANCE	LIQUID
Colour	PALE YELLOW – BROWN YELLOW
	Characteristic
RELATIVE DENSITY @ 20°C	0.850 – 0.950
FLASH POINT (°C)  REFRACTIVE INDEX @ 20 °C	75 °C. 1.45 – 1.490
SOLUBILITY IN WATER @ 20 °C	1:2 ON ETHANOL 80C
9.2	
OTHER INFORMATION	No Data.
SECTION 10: STABILITY & REACTIVITY	
10.1 REACTIVITY	NOT APPLICABLE.
10.2 CHEMICAL STABILITY	Stable under suggested storage conditions (<15°C).  Stable under normal conditions.



10.3 POSSIBILITY OF HAZARDOUS REACTIONS	None under normal processing.
10.4	Storage at high temperatures. Do not store above 15°C. Avoid heat, flames and other
CONDITIONS TO AVOID	SOURCES OF IGNITION.
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	TOXIC TO AQUATIC ORGANISMS, MAY CAUSE LONG TERM ADVERSE EFFECTS IN THE AQUATIC ENVIRONMENT.
Skin irritation	May cause discomfort if swallowed. May cause sensitisation by skin contact.
EYE DAMAGE OR IRRITATION	SPRAY AND VAPOUR IN THE EYES MAY CAUSE IRRITATION AND SMARTING.
RESPIRATORY OR SKIN SENSITIVITY	IN HIGH CONCENTRATIONS, VAPOURS MAY IRRITATE THROAT AND RESPIRATORY SYSTEM AND CAUSE COUGHING.
GERM CELL MUTAGENICITY	No Data.
CARCINOGENICITY	NO DATA.
REPRODUCTIVE TOXICITY	NO DATA.
STOT – SINGLE EXPOSURE	NO DATA.
STOT – REPEATED EXPOSURE	NO DATA.
ASPIRATION HAZARD	NO DATA.
OTHER INFORMATION	NO DATA.
SECTION 12: ECOLOGICAL INFORMATION	
12.1 Towery	WE HAVE NO DATA REGARDING ECOTOXICITY, BUT IT MUST BE CONSIDERED THAT
TOXICITY 12.2	THIS PRODUCT MAY BE DANGEROUS FOR THE ENVIRONMENT.
PERSISTENCE & DEGRADABILITY	NO DATA.
12.3 BIO- ACCUMULATIVE POTENTIAL	No Data.
12.4 MOBILITY IN SOIL	No Data
12.5 RESULTS OF PBT & VPVB ASSESSMENT	No Data.
12.6 OTHER ADVERSE EFFECTS	No Data.
SECTION 13: DISPOSAL INFORMATION	J.



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.

14.1 TRANSPORT INFORMATION		
TOTAL CHI III CHIMPHICH	<b>ROAD</b> : UN 3082	
UN NUMBER	SEA: UN 3082	
	<b>AIR</b> : UN 3082	
14.2 UN Shipping Name	EXTRACTS, AROMATIC, LIQUIDS	
	ADR/RID/ADN CLASS:	9 MISCELLANEOUS DANGEROUS SUBSTANCES AND
	ARTICLES.	
	IMDG CLASS:	9
	ICAO CLASS/DIVISION:	9
	TRANSPORT LABELS:	
14.3 TRANSPORT HAZARD CLASS(ES)	MISCELLANEOUS DANGEROUS GOODS 9	
14.4	ADR/RID/ADN PACKING GRO	
PACKING GROUP	IMDG PACKING GROUP	III 
	ICAO PACKING GROUP	III
14.5 Enviromental Hazards	ENVIRONMENTALLY HAZARDOUS	S / MARINE POLLUTANT.
	EMS F-A-S-F	
14.6	EMERGENCY ACTION CODE	
SPECIAL PRECAUTIONS FOR USER	Hazard No. (ADR) 90 Environmentally hazardous substance;	
	MISCELLANEOUS DANGEROUS	
***	TUNNEL RESTRICTION CODE	(E)
14.7 TRANSPORT IN BULK ACCORDING TO ANNEX II OF MARPOL73/78 & THE IBC CODE.	PACKED AND TRANSFERRED ACC	CORDING TO TRANSPORT.



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	ASSESSMENT HAS NOT BEEN CARRIED OUT AS THIS IS A NON-HAZARDOUS MATERIAL ACCORDING TO ARTICLE 31 OF REACH 1907/2006.

SECTION 16: OTHER INFORMATION	
	H318 Causes serious eye damage.
	H319 Causes serious eye irritation.
	H315 Causes skin irritation.
	H226 Flammable liquid and vapour.
HAZARD AND/ OR PRECAUTIONARY STATEMENTS IN FULL	H304 May be fatal if swallowed and enters airways.
	H317 May cause an allergic skin reaction.
	H411 Toxic to aquatic life with long lasting effects.
	H401 Toxic to aquatic life.
	H410 Very toxic to aquatic life with long lasting effects.
	H400 Very toxic to aquatic life.
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.
400	ACCORD EUROPEAN SUR LE TRANSPORT DES MERCHANDISES DANGEREUSES PAR ROUTE
ADR	(EUROPEAN AGREEMENT CONCERNING THE INTERNATIONAL CARRIAGE OF DANGEROUS



	GOODS BY ROAD).
RID	International Carriage of Dangerous Goods by Rail.
ICAO	International Civil Aviation Organization.
ADN	International Carriage of Dangerous Goods by Inland Waterways.
GHS	GLOBALLY HARMONIZED SYSTEM OF CLASSIFICATION & LABELLING OF CHEMICALS.
TREM CARD	Transport Emergency Card.
STOT	SPECIFIC TARGET ORGAN TOXICITY.

DOCUMENTATION REVISION	
DATE	CHANGE DESCRIPTION
10 <sup>™</sup> APRIL 2018	Data Launch

The attached information is considered to be correct at the time the client received this information. Please be aware that detail can change and we encourage clients to update their records with MADAR regularly. The information is not and should not be considered a guarantee or warranty, or a part of our contractual or other legal obligations. The information is not to be disclosed to others, reproduced or transmitted in whole or in part without permission from MADAR.



## **SPECIFICATION SHEET**

PRODUCT NAME: CITRONELLA JAVA, ESSENTIAL OIL ORGANIC

PRODUCT INCI: CYMBOPOGON WINTERIANUS HERB OIL

PRODUCT CODE: OCCITR
CAS NUMBER: 8000-29-1
EINECS NUMBER: 294-954-1

MANUFACTURING METHOD: STEAM DISTILLATION

ANALYTICAL DETAILS	RANGE
Appearance	Liquid
Colour	Clear - Pale Yellow — Brownish Yellow
Odour	CHARACTERISTIC, CITRONELLAL
SPECIFIC GRAVITY @ 20°C	0.8750 – 0.8930
Refractive Index @ 20°C	1.4550 – 1.4750
OPTICAL ROTATION (°C)	-5.0 <sub>TO</sub> -0

#### **STORAGE CONDITIONS**

STORE IN A COOL DRY PLACE AWAY FROM HEAT & SUNLIGHT

**DOCUMENTATION REVIEW DATE:** 

24<sup>™</sup> May 2018



### **Vegetarian & Vegan Suitability Statement**

PRODUCT NAME: CITRONELLA JAVA, ESSENTIAL OIL 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.

24/05/18