## **Certificate of Analysis**

PRODUCT DETAILS						
Product Name		EUCALYPTUS CITRIODORA				
Product Code		OEEUCACITR	OEEUCACITR			
INCI Name		Eucalyptus Maculata Citrioo	Eucalyptus Maculata Citriodora			
Batch Number		4473305				
Best Before Date		June 2025				
Manufacturing Process		Obtained by steam distillation of the leaves of Eucalyptus Maculata Citriodora.				
Identification		CAS No: 85203-56-1	CAS No: 85203-56-1		EINECS No: 286-249-8	
		FEMA: 2466		CoE: 186		
PHYSICAL AND CHEM	ICAL CHA	RACTERISTIC				
		SPECIFICATION RANGE		RESULTS		
Appearance		Liquid		Conforms		
Colour		Colourless - Pale Yellow		Conforms		
Odour		Characteristic		Conforms		
Relative Density @ 20°c		0.858 - 0.880		0.8641		
Refractive Index @ 20°c		1.4500 - 1.4590		1.453		
Flash Point		ca 73°c		Conforms		
Optical Rotation		-1 to +3		1.14		
MAIN CONSTITUENTS	5		0			
Constituent Range	Result	Constituent Range	Result	Constituent Range	Result	
Citronellal 70-85%	78.20%	Citronellol 1-12%	6.40%	Iso Pulegol 3-15%	2.10%	
Alpha Pinene 0.01-3%	0.30%	Neo Iso Pulegol 0.01-7%	4.20%	Beta Caryophyllene 0.01-2%	2.30%	
Citronellyl Acetate 0.01-4%						
STORAGE AND SHELF	LIFE					
Storage		Store in tightly closed container with minimum headspace in a cool, dark and dry place.				
Shelf Life		24 months unopened and stored as above.				

DISCLAIMER: This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the Company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the users responsibility to satisfy himself as to the suitability of such information for his own particular use. Where MADAR Corporation make a declaration that allergenic material are not present in any product, this statement is made assuming reasonable levels of detection. It is impossible to guarantee the "absolute absence" of any material. It is the ultimate responsibility of the customer to ensure the safety of the intended final product containing this material, by carrying out additional tests if necessary.

### ALLERGEN STATEMENT

### Eucalyptus Citriodora

Compounds	C.A.S		
Alpha-Hexyl cinnamic aldehyde (HCA)	101-86-0	-	-
Amyl cinnamic alcohol	101-85-9	-	-
Amyl cinnamic aldehyde (ACA)	122-40-7	-	-
Anisyl alcohol	105-13-5	-	-
Benzyl salicylate	118-58-1	-	-
Benzyl benzoate	120-51-4	-	-
Benzyl cinnamate	103-41-3	-	-
Benzyl alcohol	100-51-6	-	-
Cinnamic alcohol	104-54-1	-	-
Cinnamic aldehyde	104-55-2	-	-
Citral	5392-40-5	-	-
Citronellol	106-22-9	<10%	-
Coumarin (2p-1-benzopyran-2-one	91-64-5	-	-
D'limonene	5989-27-5	<1%	-
Eugenol	97-53-0	-	-
Farnesol	4602-84-0	-	-
Geraniol	106-24-1	-	-
Lyral (Hydroxymethylpentyl cyclohexene carbalde)	31906-04-4	-	-
Hydroxycitronellal	107-75-5	-	-
Isoeugenol	97-54-1	-	-
Alpha-Iso-methyl Ionone	127-51-5	-	-
Linalool	78-70-6	<1%	-
Methyl heptine carbonate	111-12-6	-	-
Oakmoss absolute	9000-50-4	-	-
p-tert-Butyl-alpha-methylhydrocinnamic a	80-54-6	-	-
Tree moss	68648-41-9	-	-

#### DISCLAIMER:

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Wondershare

**PDFelement** 

# MYSTIC MOMENTS

### CMR (Carcinogenic, mutagenic, reprotoxic) STATEMENT

We hereby confirm, to the best of our knowledge and from information received from our supplier, that the below mentioned product does not contain any CMR Substances.

However, due to the fact that we do not analyse the batches, we cannot guarantee any explicit assurance.

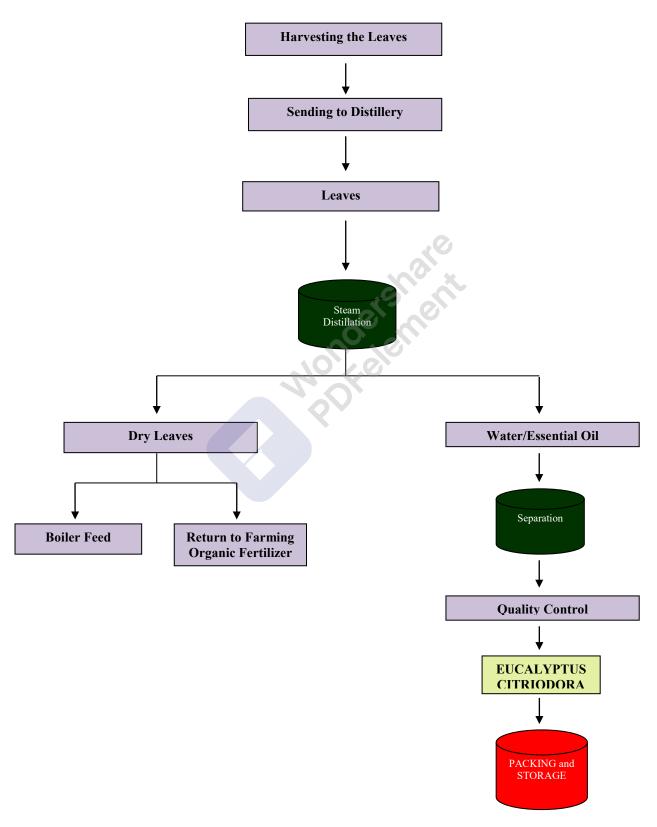
wondershare wonderennent Product: EUCALYPTUS CITRIODORA

21 July 2021

Wondershare PDFelement

## MYSTIC MOMENTS

### EUCALYPTUS CITRIODORA FLOW CHART



19-20 Sandleheath Industrial Estate, Fordingbridge, Hampshire, SP6 1PA, UK Tel: 01425 655555 Email: technical@madarcorporation.co.uk Page 4 of 16

### IFRA STATEMENT Eucalyptus Citriodora

We hereby certify that from information received from our supplier the below mentioned product contains the following restricted substances:

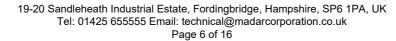
SUBSTANCE	CAS	VALUE
Citronellol	106-22-9	<10%
Methyl Eugenol	93-15-2	<0.05%
Linalool	78-70-6	<1%

This information is to the best of our knowledge, true and accurate at the time it is given.

It is the ultimate responsibility of the customer to ensure the safety of the final product containing this material by carrying out further tests if necessary.

### SAFETY DATA SHEET EUCALYPTUS CITRIODORA

SECTION 1: Identification of the substance/mixture and of the company/undertaking		
1.1. Product identifier		
Product name	EUCALYPTUS MACULATA CITRIODORA	
Product number	OEEUCACITR	
CAS number	85203-56-1	
EC number	286-249-8	
1.2. Relevant identified uses	of the substance or mixture and uses advised	
against Identified uses	Fragrance use	
1.3. Details of the supplier o	f the safety data sheet	
Supplier <u>1.4. Emergency telephone n</u>	f the safety data sheet Madar Corporation 19-20 Sandleheath Industrial Estate, Fordingbridge, Hampshire, SP6 1PA, UK Tel: 01425 655555 Email: technical@madarcorporation.co.uk	
SECTION 2: Hazards identif	fication	
2.1. Classification of the sub	stance or mixture	
Classification	Not Classified	
Physical hazards		
Health hazards	Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 Skin Sens. 1 - H317	
Environmental hazards	Aquatic Chronic 2 - H411	
Human health	The product is irritating to eyes and skin.	
Environmental	The product contains a substance which is toxic to aquatic organisms and which may cause long-term adverse effects in the aquatic environment.	
2.2. Label elements		
EC number	286-249-8	
Pictogram		



Olara al wood	
Signal word	Warning
Hazard statements	H315 Causes skin irritation.
	H317 May cause an allergic skin reaction. H319 Causes serious eye irritation.
	H411 Toxic to aquatic life with long lasting effects.
Precautionary statements	<ul> <li>P261 Avoid breathing vapour/spray.</li> <li>P264 Wash contaminated skin thoroughly after handling.</li> <li>P272 Contaminated work clothing should not be allowed out of the workplace.</li> <li>P273 Avoid release to the environment.</li> <li>P280 Wear protective gloves/protective clothing/eye protection/face protection.</li> <li>P302+P352 IF ON SKIN: Wash with plenty of water.</li> <li>P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.</li> <li>P321 Specific treatment (see medical advice on this label).</li> <li>P332+P313 If skin irritation occurs: Get medical advice/attention.</li> <li>P333+P313 If eye irritation persists: Get medical advice/attention.</li> <li>P362+P364 Take off contaminated clothing and wash it before reuse.</li> </ul>
	P391 Collect spillage. P501 Dispose of contents/container in accordance with national regulations.
Containa	
Contains	(+)-Citronellal, ß-(+)-Citronellol, Alpha Pinene, (S)-p-mentha-1,8-diene, a terpinolene
2.3. Other hazards	
SECTION 3: Composition/info	ormation on ingredients
3.1. Substances	NOFO
3.2. Mixtures	
(+)-Citronellal	70 - 85%
CAS number: 2385-77-5	EC number: 219-194-5
Classification	
Skin Irrit. 2 - H315	
Skin Sens. 1B - H317	
Aquatic Chronic 2 - H411	
ß-(+)-Citronellol	4-10%
.,	
<b>ß-(+)-Citronellol</b> CAS number: 1117-61-9	<b>4-10%</b> EC number: 214-250-5
.,	
CAS number: 1117-61-9	
CAS number: 1117-61-9 Classification	

Iso Pulegol		3-15%
CAS number: 89-79-2	EC number: 201-940-6	
Classification		
Acute Tox. 4 - H302		
Skin Irrit. 2 - H315		
Eye Irrit. 2 - H319		
Alpha Pinene		0.01-3%
CAS number: 80-56-8	EC number: 201-291-9	
Classification		
Flam. Liq. 3 - H226		
Skin Irrit. 2 - H315		
Skin Sens. 1 - H317		
Asp. Tox. 1 - H304		
Asp. Tox. 1 - 1100+	9,0	
Neo Iso Pulegol		0.01-7%
CAS number: 96612-21-4	Nondelement	
Classification		
Acute Tox. 4 - H302		
Skin Irrit. 2 - H315		
Eye Irrit. 2 - H319	2020	
Beta Caryophyllene		<0.01-2%
CAS number: 87-44-5	EC number: 201-746-1	
Classification		
Asp. Tox. 1 - H304		
Citronellyl Acetate		<0.01-3%
CAS number: 150-84-5	EC number: 205-775-0	~0.01-070
CAS humber. 150-64-5	EC number. 205-775-0	
Classification		
Skin Irrit. 2 - H315		
Aquatic Chronic 2 - H411		
6-Methyl-5-hepten-2-one		<0.01-4%
CAS number: 110-93-0	EC number: 203-816-7	
Classification		
Flam. Liq. 3 - H226		
1 Idin. Eld. 0 - 1 1220		

Cis-beta-Odmene         <0.011%			
Classification Film. Liq. 3 - H226 Asp. Tox. 1 - H304            (S)-p-mentha-1,8-diene CAS number: 5989-54-8 M factor (Acute) = 1 M factor (Chronic) = 1             Classification Flam. Liq. 3 - H226 Skin Irtt. 2 - H315 Skin Sens. 1 - H317 Aquatic Chronic 1 - H410 Aquatic Chronic 1 - H410             a terpinolene CAS number: 586-62-9 M factor (Acute) = 1 M factor (Chronic) = 1              Classification Skin Sens. 1 - H317 Aquatic Chronic 1 - H410               (Acute) = 1 M factor (Acute) = 1 M factor (Chronic) = 1         M factor (Chronic) = 1              Classification Skin Sens. 1 - H317 Asp. Tox. 1 - H304 Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410               Classification Skin Irit. 2 - H305 STOT SE 3 - H335         EC number: 204-811-2              Classification Skin Irit. 2 - H315 Eye Irit. 2 - H315 STOT SE 3 - H335         EC number: 204-822-5              Classification Flam. Liq. 3 - H226 Skin Irit. 2 - H315         EC number: 204-622-5	Cis-beta-Ocimene		<0.01-1%
Flam. Liq. 3 - H226         Asp. Tox. 1 - H304         (9)-p-mentha-1,8-diene       <0.01-1%	CAS number: 3338-55-4	EC number: 222-081-3	
Asp. Tox. 1 - H304       <0.01-1%	Classification		
(S)-p-mentha-1,8-diene         <0.01-1%           CAS number: 5989-54-8         EC number: 227-815-6         M           M factor (Acute) = 1         M factor (Chronic) = 1         M           Classification         Filam. Liq. 3 - H226         Skin Irit. 2 - H315         Skin Sens. 1 - H317           Aquatic Acute 1 - H400         Aquatic Acute 1 - H410         Aquatic Acute 1 - H410         Aquatic Chronic 1 - H410           a terpinolene         <0.01-1%	Flam. Liq. 3 - H226		
CAS number: 5989-54-8       EC number: 227-815-6         M factor (Acute) = 1       M factor (Chronic) = 1         Classification       Fiam. Liq. 3 - H226         Skin Irrit. 2 - H315       Skin Sens. 1 - H317         Aquatic Acute 1 - H400       Aquatic Chronic 1 - H410         a terpinolene       <0.01-1%	Asp. Tox. 1 - H304		
CAS number: 5989-54-8       EC number: 227-815-6         M factor (Acute) = 1       M factor (Chronic) = 1         Classification       Fiam. Liq. 3 - H226         Skin Irrit. 2 - H315       Skin Sens. 1 - H317         Aquatic Acute 1 - H400       Aquatic Chronic 1 - H410         a terpinolene       <0.01-1%	(S)-p-mentha-1 8-diene		<0.01-1%
M factor (Acute) = 1       M factor (Chronic) = 1         Classification       Flam. Liq. 3 - H226         Skin Irit. 2 - H315       Skin Sens. 1 - H317         Aquatic Acute 1 - H400       Aquatic Chronic 1 - H410         Aquatic Chronic 1 - H410       Aquatic Chronic 1 - H410         Aquatic Chronic 1 - H410       Aquatic Chronic 1 - H410         Aquatic Chronic 1 - H410       Aquatic Chronic 1 - H410         CAS number: 586-62-9       EC number: 209-578-0         M factor (Acute) = 1       M factor (Chronic) = 1         Classification       Skin Sens. 1 - H317         Skin Sens. 1 - H317       Aşp. Tox. 1 - H304         Aquatic Acute 1 - H400       Aquatic Chronic 1 - H410         Aquatic Chronic 1 - H410       Color (Acute)         Chassification       Skin Irrit. 2 - H315         Skin Irrit. 2 - H319       EC number: 204-811-2         Classification       Skin Irrit. 2 - H315         Stor I - 2 - H319       STOT SE 3 - H335         7-methyl-3-methyleneocta-1,6-diene       <0.01-1%		FC number: 227-815-6	-0.01 170
Classification           Fiam. Liq. 3 - H226           Skin Irit. 2 - H315           Skin Sens. 1 - H317           Aquatic Acute 1 - H400           Aquatic Chronic 1 - H410           a terpinolene           CAS number: 586-62-9           EC number: 209-578-0           M factor (Acute) = 1           Classification           Skin Sens. 1 - H317           Asp. Tox. 1 - H304           Aquatic Chronic 1 - H410           Aquatic Chronic 1 - H410           CAS number: 126-91-0           EC number: 204-811-2           Classification           Skin Irrit, 2 - H315           Eye Irrit: 2 - H319           STOT SE 3 - H335           7-methyl-3-methyleneocta-1,6-diene           CAS number: 123-35-3           EC number: 204-622-5           Classification           Fiam. Liq. 3 - H226           Skin Irrit, 2 - H315			
Flam. Liq. 3 - H226         Skin Irrit. 2 - H315         Skin Irrit. 2 - H315         Aquatic Acute 1 - H400         Aquatic Chronic 1 - H410 <b>a terpinolene</b> <0.01-1%			
Skin Irrit. 2 - H315         Skin Sens. 1 - H317         Aquatic Acute 1 - H400         Aquatic Chronic 1 - H410         a terpinolene       <0.01-1%			
Skin Sens. 1 - H317         Aquatic Acute 1 - H400         Aquatic Chronic 1 - H410         a terpinolene       <0.01-1%	-		
Aquatic Acute 1 - H400       -         Aquatic Chronic 1 - H410       -         a terpinolene       -         CAS number: 586-62-9       EC number: 209-578-0         M factor (Acute) = 1       M factor (Chronic) = 1         Classification       -         Skin Sens. 1 - H317       -         Asp. Tox. 1 - H304       -         Aquatic Acute 1 - H400       -         Aquatic Chronic 1 - H410       -         (-)-linalool       -         (-)-linalool       -         (-)-linalool       -         Classification       Skin Irrit. 2 - H315         Skin Irrit. 2 - H315       EC number: 204-811-2         Classification       -         Skin Irrit. 2 - H315       -         Stor ISE 3 - H335       -         7-methyl-3-methyleneocta-1,6-diene       <0.01-1%			
Aquatic Chronic 1 - H410       <0.01-1%			
CAS number: 586-62-9       EC number: 209-578-0         M factor (Acute) = 1       M factor (Chronic) = 1         Classification       Skin Sens. 1 - H317         Skin Sens. 1 - H317       Asp. Tox. 1 - H304         Aquatic Acute 1 - H400       Aquatic Chronic 1 - H410         (-)-linalool       <0.01-1%			
CAS number: 586-62-9       EC number: 209-578-0         M factor (Acute) = 1       M factor (Chronic) = 1         Classification       Skin Sens. 1 - H317         Skin Sens. 1 - H317       Asp. Tox. 1 - H304         Aquatic Acute 1 - H400       Aquatic Chronic 1 - H410         (-)-linalool       <0.01-1%		NO X.	
M factor (Acute) = 1       M factor (Chronic) = 1         Classification       Skin Sens. 1 - H317         Asp. Tox. 1 - H304       Aquatic Acute 1 - H400         Aquatic Chronic 1 - H410          (-)-linalool       <0.01-1%	-	191 201	<0.01-1%
Classification           Skin Sens. 1 - H317           Asp. Tox. 1 - H304           Aquatic Acute 1 - H400           Aquatic Chronic 1 - H410           (-)Linalool           (-)Linalool </td <td></td> <td></td> <td></td>			
Skin Sens. 1 - H317         Asp. Tox. 1 - H304         Aquatic Acute 1 - H400         Aquatic Chronic 1 - H410         (-)-linalool       <0.01-1%	M factor (Acute) = 1	M factor (Chronic) = 1	
Asp. Tox. 1 - H304 Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410 (-)-linalool <ol> <li>(-)-linalool <ol></ol></li></ol></li></ol></li></ol></li></ol></li></ol></li></ol></li></ol></li></ol></li></ol></li></ol></li></ol></li></ol></li></ol></li></ol></li></ol></li></ol></li></ol></li></ol></li></ol></li></ol></li></ol></li></ol></li></ol></li></ol></li></ol>	Classification	10.50	
Aquatic Acute 1 - H400          Aquatic Chronic 1 - H410          (-)-linalool       <0.01-1%	Skin Sens. 1 - H317		
Aquatic Chronic 1 - H410       <0.01-1%	Asp. Tox. 1 - H304		
(-)-linalool         <0.01-1%           CAS number: 126-91-0         EC number: 204-811-2           Classification         Skin Irrit. 2 - H315           Eye Irrit. 2 - H319         STOT SE 3 - H335           7-methyl-3-methyleneocta-1,6-diene         <0.01-1%			
CAS number: 126-91-0       EC number: 204-811-2         Classification       Skin Irrit. 2 - H315         Eye Irrit. 2 - H319       STOT SE 3 - H335         7-methyl-3-methyleneocta-1,6-diene       <0.01-1%	Aquatic Chronic 1 - H410		
CAS number: 126-91-0       EC number: 204-811-2         Classification       Skin Irrit. 2 - H315         Eye Irrit. 2 - H319       STOT SE 3 - H335         7-methyl-3-methyleneocta-1,6-diene       <0.01-1%	(-)-linalool		<0.01-1%
Classification         Skin Irrit. 2 - H315         Eye Irrit. 2 - H319         STOT SE 3 - H335         7-methyl-3-methyleneocta-1,6-diene         CAS number: 123-35-3         EC number: 204-622-5         Classification         Flam. Liq. 3 - H226         Skin Irrit. 2 - H315		FC number: 204-811-2	
Skin Irrit. 2 - H315         Eye Irrit. 2 - H319         STOT SE 3 - H335         7-methyl-3-methyleneocta-1,6-diene         CAS number: 123-35-3         EC number: 204-622-5         Classification         Flam. Liq. 3 - H226         Skin Irrit. 2 - H315			
Eye Irrit. 2 - H319         STOT SE 3 - H335         7-methyl-3-methyleneocta-1,6-diene         CAS number: 123-35-3         EC number: 204-622-5         Classification         Flam. Liq. 3 - H226         Skin Irrit. 2 - H315			
STOT SE 3 - H335          7-methyl-3-methyleneocta-1,6-diene       <0.01-1%			
7-methyl-3-methyleneocta-1,6-diene         <0.01-1%           CAS number: 123-35-3         EC number: 204-622-5           Classification         Flam. Liq. 3 - H226           Skin Irrit. 2 - H315         Skin Irrit. 2 - H315			
CAS number: 123-35-3       EC number: 204-622-5         Classification       Flam. Liq. 3 - H226         Skin Irrit. 2 - H315       EC number: 204-622-5	STOT SE 3 - H335		
<b>Classification</b> Flam. Liq. 3 - H226 Skin Irrit. 2 - H315	7-methyl-3-methyleneocta-1,6-diene		<0.01-1%
Flam. Liq. 3 - H226 Skin Irrit. 2 - H315	CAS number: 123-35-3	EC number: 204-622-5	
Flam. Liq. 3 - H226 Skin Irrit. 2 - H315	Classification		
Skin Irrit. 2 - H315			
	-		
Asp. Tox. 1 - H304	-		
The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.	The Full Text for all R-Phrases and Haza	ard Statements are Displayed in Section 16.	

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation	Provide fresh air. Seek medical attention if discomfort occurs.
Ingestion	Do not induce vomiting. Rinse mouth thoroughly with water. Get medical attention.
Skin contact	Remove contaminated clothing immediately and wash skin with soap and water. Get medical attention if any discomfort continues.
Eye contact	Remove any contact lenses and open eyelids wide apart. Rinse with water. Continue to rinse for at least 15 minutes and get medical attention.
4.2. Most important symptoms	and effects, both acute and delayed
4.3. Indication of any immedia	te medical attention and special treatment needed
Notes for the doctor	Treat symptomatically.
SECTION 5: Firefighting meas	sures
5.1. Extinguishing media	
Suitable extinguishing media	Use as appropriate carbon dixoide (CO2), dry chemical or foam
Unsuitable extinguishing media	Do not use water jet as an extinguisher, as this will spread the fire.
5.2. Special hazards arising from	om the substance or mixture
Specific hazards	In case of fire, toxic fumes like carbon monoxide and carbon dioxide may be liberated. Burning produces heavy smoke.
5.3. Advice for firefighters	
Special protective equipment for firefighters	Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.
SECTION 6: Accidental release	e measures
	e measures
6.1. Personal precautions, pro	tective equipment and emergency procedures Provide adequate ventilation. Avoid contact with skin and eyes. Avoid inhalation of vapours.
6.1. Personal precautions, pro Personal precautions	tective equipment and emergency procedures Provide adequate ventilation. Avoid contact with skin and eyes. Avoid inhalation of vapours. Wear protective clothing and gloves. Wear an appropriate NIOSH / MSHA approved respirator if mist or vapour is generated.
6.1. Personal precautions, pro Personal precautions For emergency responders	tective equipment and emergency procedures Provide adequate ventilation. Avoid contact with skin and eyes. Avoid inhalation of vapours. Wear protective clothing and gloves. Wear an appropriate NIOSH / MSHA approved respirator if mist or vapour is generated.
6.1. Personal precautions, pro Personal precautions For emergency responders 6.2. Environmental precaution	tective equipment and emergency procedures Provide adequate ventilation. Avoid contact with skin and eyes. Avoid inhalation of vapours. Wear protective clothing and gloves. Wear an appropriate NIOSH / MSHA approved respirator if mist or vapour is generated. <u>s</u> Do not discharge into drains or watercourses or onto the ground.
6.1. Personal precautions, pro Personal precautions For emergency responders 6.2. Environmental precaution Environmental precautions	tective equipment and emergency procedures Provide adequate ventilation. Avoid contact with skin and eyes. Avoid inhalation of vapours. Wear protective clothing and gloves. Wear an appropriate NIOSH / MSHA approved respirator if mist or vapour is generated. <u>s</u> Do not discharge into drains or watercourses or onto the ground.
6.1. Personal precautions, pro Personal precautions For emergency responders 6.2. Environmental precaution Environmental precautions 6.3. Methods and material for	<ul> <li>tective equipment and emergency procedures</li> <li>Provide adequate ventilation. Avoid contact with skin and eyes. Avoid inhalation of vapours. Wear protective clothing and gloves.</li> <li>Wear an appropriate NIOSH / MSHA approved respirator if mist or vapour is generated.</li> <li><u>s</u></li> <li>Do not discharge into drains or watercourses or onto the ground.</li> <li>containment and cleaning up</li> <li>Absorb with liquid binding material (e.g sand, diatomaceous earth, acid or universal binding agents). Collect in closed and suitable containers for disposal.</li> </ul>
6.1. Personal precautions, pro Personal precautions For emergency responders 6.2. Environmental precaution Environmental precautions 6.3. Methods and material for Methods for cleaning up	<ul> <li>tective equipment and emergency procedures</li> <li>Provide adequate ventilation. Avoid contact with skin and eyes. Avoid inhalation of vapours. Wear protective clothing and gloves.</li> <li>Wear an appropriate NIOSH / MSHA approved respirator if mist or vapour is generated.</li> <li><u>s</u></li> <li>Do not discharge into drains or watercourses or onto the ground.</li> <li>containment and cleaning up</li> <li>Absorb with liquid binding material (e.g sand, diatomaceous earth, acid or universal binding agents). Collect in closed and suitable containers for disposal.</li> </ul>
<ul> <li>6.1. Personal precautions, pro</li> <li>Personal precautions</li> <li>For emergency responders</li> <li>6.2. Environmental precaution</li> <li>Environmental precautions</li> <li>6.3. Methods and material for</li> <li>Methods for cleaning up</li> <li>6.4. Reference to other section</li> </ul>	tective equipment and emergency procedures Provide adequate ventilation. Avoid contact with skin and eyes. Avoid inhalation of vapours. Wear protective clothing and gloves. Wear an appropriate NIOSH / MSHA approved respirator if mist or vapour is generated. S Do not discharge into drains or watercourses or onto the ground. containment and cleaning up Absorb with liquid binding material (e.g sand, diatomaceous earth, acid or universal binding agents). Collect in closed and suitable containers for disposal. B For personal protection, see Section 8. For waste disposal, see Section 13.
<ul> <li>6.1. Personal precautions, pro Personal precautions</li> <li>For emergency responders</li> <li>6.2. Environmental precaution</li> <li>Environmental precautions</li> <li>6.3. Methods and material for Methods for cleaning up</li> <li>6.4. Reference to other section</li> <li>Reference to other sections</li> </ul>	tective equipment and emergency procedures Provide adequate ventilation. Avoid contact with skin and eyes. Avoid inhalation of vapours. Wear protective clothing and gloves. Wear an appropriate NIOSH / MSHA approved respirator if mist or vapour is generated. <u>s</u> Do not discharge into drains or watercourses or onto the ground. <b>containment and cleaning up</b> Absorb with liquid binding material (e.g sand, diatomaceous earth, acid or universal binding agents). Collect in closed and suitable containers for disposal. <b>18</b> For personal protection, see Section 8. For waste disposal, see Section 13.
<ul> <li>6.1. Personal precautions, propersonal precautions</li> <li>For emergency responders</li> <li>6.2. Environmental precaution</li> <li>Environmental precautions</li> <li>6.3. Methods and material for Methods for cleaning up</li> <li>6.4. Reference to other section</li> <li>Reference to other sections</li> <li>SECTION 7: Handling and stop</li> </ul>	tective equipment and emergency procedures Provide adequate ventilation. Avoid contact with skin and eyes. Avoid inhalation of vapours. Wear protective clothing and gloves. Wear an appropriate NIOSH / MSHA approved respirator if mist or vapour is generated. 5 Do not discharge into drains or watercourses or onto the ground. Containment and cleaning up Absorb with liquid binding material (e.g sand, diatomaceous earth, acid or universal binding agents). Collect in closed and suitable containers for disposal. 15 For personal protection, see Section 8. For waste disposal, see Section 13.
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6.1. Personal precautions, pro         Personal precautions         For emergency responders         6.2. Environmental precaution         Environmental precautions         6.3. Methods and material for         Methods for cleaning up         6.4. Reference to other section         Reference to other sections         SECTION 7: Handling and sto         7.1. Precautions for safe hand         Usage precautions         Advice on general         occupational hygiene	<ul> <li>tective equipment and emergency procedures</li> <li>Provide adequate ventilation. Avoid contact with skin and eyes. Avoid inhalation of vapours. Wear protective clothing and gloves.</li> <li>Wear an appropriate NIOSH / MSHA approved respirator if mist or vapour is generated.</li> <li>a</li> <li>b on ot discharge into drains or watercourses or onto the ground.</li> <li>containment and cleaning up</li> <li>Absorb with liquid binding material (e.g sand, diatomaceous earth, acid or universal binding agents). Collect in closed and suitable containers for disposal.</li> <li>ns</li> <li>For personal protection, see Section 8. For waste disposal, see Section 13.</li> <li>rage</li> <li>Apply good manufacturing practice and industrial hygiene practices. Keep containers sealed when not in use. Provide adequate ventilation. Keep away from heat, sparks and open flame.</li> <li>Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling.</li> </ul>

**Storage precautions** Store in tightly-closed, original container in a dry, cool and well-ventilated place.

#### 7.3. Specific end use(s) SECTION 8: Exposure Controls/personal protection 8.1. Control parameters Alpha Pinene (CAS: 80-56-8) DNEL Workers - Inhalation; Long term systemic effects: 5.98 mg/m<sup>3</sup> General population - Oral; Long term systemic effects: 0.31 mg/kg General population - Inhalation; Long term systemic effects: 1.06 mg/m<sup>3</sup> PNEC - STP; 3.26 mg/l - Soil; 0.539 mg/kg - Fresh water; 0.004 mg/l - Marine water; 0.0004 mg/l - Sediment (Freshwater); 1.033 mg/kg - Sediment (Marinewater); 0.103 mg/kg 7-methyl-3-methyleneocta-1,6-diene (CAS: 123-35-3) DNEL Workers - Dermal; Long term systemic effects: 0.83 mg/kg Workers - Inhalation; Long term systemic effects: 5.83 mg/m<sup>3</sup> General population - Dermal; Long term systemic effects: 0.42 mg/kg General population - Inhalation; Long term systemic effects: 1.25 mg/m<sup>3</sup> **PNEC** - STP; 0.2 mg/l - Soil; 1.015 mg/kg - Fresh water; 0.00028 mg/l - Marine water; 0.0008 mg/l - Sediment (Freshwater); 5.022 mg/kg - Sediment (Marinewater); 0.502 mg/kg 8.2. Exposure controls **Protective equipment** Appropriate engineering Provide adequate ventilation. controls Personal protection General protective and hygienic measures: Use personal protective equipment depending on concentration and amount of hazardous substance. Keep away from foodstuffs, beverages and feed. Immediately remove all soiled and contaminated clothing. Wash hands before breaks and at the end of work. Avoid contact with eyes and skin. Eye/face protection Approved safety goggles. Hand protection Chemical resistant gloves (PVC) Other skin and body Wear apron or protective clothing in case of contact. protection Hygiene measures Good personal hygiene procedures should be implemented.

Generally unnecessary in a well ventilated area. If ventilation is insufficient, respiratory protection must be worn.

Respiratory protection

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Environmental exposure	Avoid discharging into drains.
controls	

SECTION 9: Physical and Chemical Properties		
9.1. Information on basic physical and chemical properties		
Appearance	Liquid.	
Colour	Pale Yellow.	
Odour	Characteristic.	
Melting point	<-20°C	
Initial boiling point and range	93°C @ 1013 hPa	
Flash point	73.7°C	
Vapour pressure	44.7 Pa @ 25°C	
Relative density	0.858 - 0.880 @ 20°C	
Solubility(ies)	The constituents of the substance have a water solubility ranging from 0.5 to 4364 mg/L @ 25c. 94.14% of the composition has a water solubility >17 mg/L	
Partition coefficient	25c. 94.14% of the composition has a water solubility >17 mg/L log Pow: 2.06 - 6.3 225°C -2 to -4 1.4500 - 1.4590 @ 20°C	
Auto-ignition temperature	225°C	
Optical rotation	-2 to -4	
9.2. Other information	101201	
Refractive index	1.4500 - 1.4590 @ 20°C	
SECTION 10: Stability and rea	activity	
10.1. Reactivity		
10.2. Chemical stability		
10.3. Possibility of hazardous reactions		
10.4. Conditions to avoid 10.5. Incompatible materials		
10.6. Hazardous decomposition products		
SECTION 11: Toxicological int	formation	
11.1. Information on toxicologi	cal effects	
Acute toxicity - oral		
ATE oral (mg/kg)	8,650.52	
SECTION 12: Ecological Information		
12.1. Toxicity		
12.2. Persistence and degradability		
<b>Persistence and degradability</b> The product is readily biodegradable.		
12.3. Bioaccumulative potential		
Bioaccumulative potential	Further B/vB assessment is not relevant as none of the known constituents of Eucalyptus Citriodora are P (or vP)	
Partition coefficient	log Pow: 2.06 - 6.3	

#### Wondershare PDFelement

#### 12.4. Mobility in soil

#### 12.5. Results of PBT and vPvB assessment

#### 12.6. Other adverse effects

#### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

General information

Dispose of in compliance with all local and national regulations.

#### SECTION 14: Transport information

General

The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID).

#### 14.1. UN number

Not applicable.

#### 14.2. UN proper shipping name

Not applicable.

#### 14.3. Transport hazard class(es)

No transport warning sign required.

#### 14.4. Packing group

Not applicable.

#### 14.5. Environmental hazards

oncerement Environmentally hazardous substance/marine pollutant No.

#### 14.6. Special precautions for user

Not applicable.

#### 14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Transport in bulk according to Not applicable. Annex II of MARPOL 73/78 and the IBC Code

#### SECTION 15: Regulatory information

#### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

EU legislation	Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as
	amended).
	Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18
	December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of
	Chemicals (REACH) (as amended).
Guidance	CHIP for everyone HSG228.
45.0 Oberricel sefety	

### 15.2. Chemical safety assessment

#### **SECTION 16: Other information**

SDS number	4700
Hazard 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.
	H335 May cause respiratory irritation.
	H400 Very toxic to aquatic life.
	H410 Very toxic to aquatic life with long lasting effects.
	H411 Toxic to aquatic life with long lasting effects.

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.

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### **Product Specification**

Product Name	CITRONELLA OIL		
Product Code			
INCI Name	Cymbopogon		
Country of Origin	China / Indonesia		
Tariff Number	33012941		
Natural Status	We hereby declare, to the best of our knowledge and from information received from our supplier, that this product is in accordance to the requirements of Articles 3 (2) (d) of Regulation (EC) 1334/2008 and therefore can be designated as natural.		
Irradiation Statement	We hereby confirm from information received from our supplier that this product has not undergone any treatments at any stage for preservation, sterilisation (e.g irradiation, fumigatio etc.)		
Kosher Certified	Yes		
Halal Certified	We hereby delcare, from information received from our supplier, that this product does not contain any ingredient derived from animal origin, extracted from hair or feathers, animal fats, animal extracts, blood of any origin, blood plasma, pork and/or other meat products. This product does not contain alcohol (ethanol or grain alcohol) and has not been used in the manufacturing process.		
GMO Declaration	To the best of our knowledge and from information received from our supplier, this product do not derive from genetically modified starting raw material, or additives that are derived from genetically modifed organisms.		
BSE (Bovine Spongiform Encephalopathy) and TSE (Transmissble Spongiform Encephalopathy) Declaration	We hereby declare, from information received from our supplier, that this product is entirely free from BSE and TSE. This product does not contain and is not produced from any animal origin.		
Manufacturing Process	Steam distillation of the freshly cut	or partially dried grasses of Cymbopogon Winterianus.	
Identification	CAS No: 91771-61-8	EINECS No: 294-954-7	
	Alternative Cas: 8000-29-1	FEMA No: 2308	
	CoE: 39	FDA No: 182.20	
PHYSICAL AND CHEMICA	L CHARACTERISTIC		
Appearance	Liquid	·	
Colour	Pale yellow		
Odour	Characteristic		
Initial Boiling Point and range	220 - 225°c		
	70-90°c		
Flash Point			
Flash Point Vapour Pressure @ 25°c	0.8 mm Hg		
Flash Point Vapour Pressure @ 25°c Relative Density @ 20°c	0.8 mm Hg 0.850 - 0.950		
Flash Point Vapour Pressure @ 25°c Relative Density @ 20°c Refractive Index @ 20°c	0.8 mm Hg		
Flash Point Vapour Pressure @ 25°c Relative Density @ 20°c Refractive Index @ 20°c FRAGRANCE ALLERGENS	0.8 mm Hg 0.850 - 0.950 1.450 - 1.490		
Flash Point Vapour Pressure @ 25°c Relative Density @ 20°c Refractive Index @ 20°c FRAGRANCE ALLERGENS Citral (5392-40-5) <2%	0.8 mm Hg 0.850 - 0.950 1.450 - 1.490 Citronellol (106-22-9) <b>Ca 12.74%</b>		
Flash Point Vapour Pressure @ 25°c Relative Density @ 20°c Refractive Index @ 20°c FRAGRANCE ALLERGENS Citral (5392-40-5) <2% Eugenol (97-53-0) Ca 1.05%	0.8 mm Hg 0.850 - 0.950 1.450 - 1.490	Limonene (5989-27-5) <b>Ca 3.76%</b> Geraniol (106-24-1) <b>Ca 21%</b>	
Flash Point Vapour Pressure @ 25°c Relative Density @ 20°c Refractive Index @ 20°c FRAGRANCE ALLERGENS Citral (5392-40-5) <2% Eugenol (97-53-0) Ca 1.05% Linalool (78-70-6) Ca 1%	0.8 mm Hg 0.850 - 0.950 1.450 - 1.490 Citronellol (106-22-9) <b>Ca 12.74%</b>		
Flash Point Vapour Pressure @ 25°c Relative Density @ 20°c Refractive Index @ 20°c FRAGRANCE ALLERGENS Citral (5392-40-5) <2% Eugenol (97-53-0) Ca 1.05% Linalool (78-70-6) Ca 1%	0.8 mm Hg 0.850 - 0.950 1.450 - 1.490 Citronellol (106-22-9) <b>Ca 12.74%</b>		
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Flash Point Vapour Pressure @ 25°c Relative Density @ 20°c Refractive Index @ 20°c FRAGRANCE ALLERGENS Citral (5392-40-5) <2% Eugenol (97-53-0) Ca 1.05% Linalool (78-70-6) Ca 1% FOOD ALLERGENS	0.8 mm Hg 0.850 - 0.950 1.450 - 1.490 Citronellol (106-22-9) <b>Ca 12.74%</b>		
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Flash Point Vapour Pressure @ 25°c Relative Density @ 20°c Refractive Index @ 20°c FRAGRANCE ALLERGENS Citral (5392-40-5) <2% Eugenol (97-53-0) Ca 1.05% Linalool (78-70-6) Ca 1% FOOD ALLERGENS NONE	0.8 mm Hg 0.850 - 0.950 1.450 - 1.490 Citronellol (106-22-9) Ca 12.74% Farnesol (4602-84-0) <1%	Geraniol (106-24-1) Ca 21% Eugenol (97-53-0) Ca 1.05%	
Flash Point Vapour Pressure @ 25°c Relative Density @ 20°c Refractive Index @ 20°c FRAGRANCE ALLERGENS Citral (5392-40-5) <2% Eugenol (97-53-0) Ca 1.05% Linalool (78-70-6) Ca 1% FOOD ALLERGENS NONE IFRA Citral (5392-40-5) <2%	0.8 mm Hg 0.850 - 0.950 1.450 - 1.490 Citronellol (106-22-9) Ca 12.74% Farnesol (4602-84-0) <1% Geraniol (106-24-1) Ca 21% Citronellol (106-22-9) Ca 12.74%	Geraniol (106-24-1) Ca 21% Eugenol (97-53-0) Ca 1.05%	
Flash Point Vapour Pressure @ 25°c Relative Density @ 20°c Refractive Index @ 20°c FRAGRANCE ALLERGENS Citral (5392-40-5) <2% Eugenol (97-53-0) Ca 1.05% Linalool (78-70-6) Ca 1% FOOD ALLERGENS NONE IFRA Citral (5392-40-5) <2% Farnesol (4602-84-0) <1%	0.8 mm Hg 0.850 - 0.950 1.450 - 1.490 Citronellol (106-22-9) Ca 12.74% Farnesol (4602-84-0) <1% Geraniol (106-24-1) Ca 21% Citronellol (106-22-9) Ca 12.74%	Geraniol (106-24-1) Ca 21% Eugenol (97-53-0) Ca 1.05%	

UpsClaWex: Inis information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the Company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability of such information for his own particular use. Where we make a declaration that allergenic material are not present in any product, this statement is made assuming reasonable levels of detection. It is impossible to guarantee the "absolute absence" of any material. It is the ultimate responsibility of the customer to ensure the safety of the intended final product containg this material, by carrying out additional tests if necessary.

## **Vegan and Vegetarian Statement**

IDENTIFICATION		
Product:	Eucalyptus Citriodora	
Cas No:	85203-56-1	
EINECS No:	286-249-8	
STATEMENT		
	poration Limited, from information received from our supplier, hereby material listed above is compliant with a vegan or vegetarian diet.	
	ain any animal ingredients or animal by products. No animal y products are used in the manufacturing process.	
22/03/19	Nonde enne	
does not release th	esents to the best of our knowledge and from information received from our supplier. It e buyer from the obligation to carry out an examination of the goods received. All uses are done under their own responsibility.	