

## MATERIAL SAFETY DATA SHEET

### 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION & THE COMPANY UNDERTAKING

Product Name	Eucalyptus Citriodora Essential Oil
INCI No	<i>Eucalyptus Citriodora Oil</i>
Synonyms & Trade names	Eucalyptus Lemon Oil
Botanical Name/Family	Eucalyptus Maculata Citroedora

Reach Registration Number		N/A			
CAS - No.	85203-56-1	FDA No.	N/A	EC No.	286-249-8
EINEC No.	286-249-8	FEMA No.	N/A		

### 2. COMPOSITION / INFORMATION ON INGREDIENTS

2.1. Ingredients			
NAME OF CONSTITUENT	CAS NO.	EC NO.	% COMPOSITION
Citronellal	106-23-0	203-376-6	60% - 100%
Citronellol	106-22-9	203-375-0	5.0% - 12.0%
IsoPulegol	89-79-2	201-940-6	5.0% - 10.0%
Limonene	5989-27-5	227-813-5	1.0% - 5.0%
$\alpha$ -Pinene	80-56-8	201-291-9	1.0% - 5.0%
$\beta$ -Pinene	127-91-3	20-872-5	1.0% - 5.0%

### 3. HAZARD IDENTIFICATION

#### 3.1. Classification of substance or mixture

The full text for all hazard statements is displayed in section 16

#### 3.2. Classification (EC 1272/2008)

Physical and chemical hazard	Not classified		
Human Health	H315	Category 2	Skin Irrit.
	H317	Category 1	Skin Sens.
	H319	Category 2	Eye Irrit.
Environment	H401	Category 2	Aquatic Acute
	H411	Category 2	Aquatic Chronic

#### 3.3. Label Elements

Labels in accordance with (EC) No 1272/2008



GHS09



GHS07

Signal word None

Contains Alpha pinene natural, Citronellal, Citronellol, Limonene

#### 3.4. Hazardous Statements

H304	Causes skin irritation
H319	Causes serious eye irritation
H401	Toxic to aquatic life
H317	May cause an allergic skin reaction
H411	Toxic to aquatic life with long lasting effects

#### 3.5. Precautionary Statements

None

#### 3.6. Supplementary statements

P261 Avoid breathing dust, fumes, gas, mist and or vapours and sprays

P264	Wash thoroughly after handling
P272	Contaminated work clothing should not be allowed out of the work area
P273	Avoid release into the environment
P280	Wear protective gloves/protective clothing/eye protection/face protection
P302/P352	IF ON SKIN: wash with plenty of water and soap
P305/P351/ P338	IF IN EYES: rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to rinse. Continue rinsing
P313	Get medical advice or attention
P321	See label for specific treatment
P332/P313	If skin irritation occurs get medical attention
P333/P313	If skin irritation or rash occurs get medical attention
P337?P313	If eye irritation persists get medical attention
P362/P363	Take off contaminated clothing and wash before reuse
P391	Collect spillage
P501	Dispose of contents or container according to regulation

### 3.7. Other hazards

PBT or vPvB according to Annex XIII	No additional data available
Adverse physio-chemical properties	No additional data available
Adverse effects on human health	No additional data available

## 4. FIRST AID MEASURES

### 4.1. Description of first aid measures

Inhalation	Move the exposed person to fresh air and seek medical assistance. Rinse mouth with water. Get medical attention if symptoms persist
Ingestion	May cause nausea and vomiting. Seek medical attention if irritation or symptoms persist. DO NOT INDUCE VOMITING
Skin contact	Remove contaminated clothing. Wash the skin immediately with soap and water. Seek medical attention if irritation persists.
Eye contact	Remove victim from the source of exposure. Make sure to remove any contact lenses from the eye before rinsing. Wash eyes with plenty of water while lifting the eyelid. Continue for 15min. If irritation still persists, see medical advice

#### **4.2. Most important symptoms and effects, both acute and delayed**

No additional data available

#### **4.3. Indication of any immediate medical attention and special treatment needed**

No additional data available

### **5. FIRE FIGHTING MEASURES**

#### **5.1. Extinguishing media**

Suitable extinguisher

CO2. Dry chemical powder, Foam.

#### **5.2. Special hazards arising from the product**

When heated and in case of fire, irritating vapours or gases may be formed

#### **5.3. Advice for firefighters**

Water spray should be used to cool down containers. Wear full protective gear

### **6. ACCIDENTAL RELEASE MEASURES**

#### **6.1. Personal precaution, protection equipment and emergency procedure**

Ensure adequate ventilation of the working area. Wear suitable protective clothing

#### **6.2. Environmental precautions**

Avoid disposing into drainage, sewer systems or in any natural environment.

#### **6.3. Spill clean up methods**

Cover with an inert, inorganic, non-combustible absorbent material (e.g dry lime, sand, soda ash). Place in covered containers using non-sparking tools and transport outdoors. Avoid open flames or sources of ignition. Ventilate area and wash spill site after material is picked up. Dispose according to current laws and regulations

### **7. HANDLING AND STORAGE**

#### **7.1. Precautions for safe handling**

Avoid spilling, skin and eye contact.



#### **7.2. Conditions for safe storage, including any incompatibilities**

Store in a tightly closed original container in a dry, well ventilated and cool area. Keep in original container. Keep away from heat, sparks or open flame

#### **7.3. Specific end use(s)**

No additional data available

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1. Control parameters	
No additional data available	
8.2. Protective equipment	
 	
Process Conditions	Provide eye wash station
Engineering measures	Provide adequate ventilation.
Respiratory equipment	No specific recommendation needed. Respiratory protection may be required under exceptional circumstances when excessive air contamination exist
Hand protection	Wear chemical resistant gloves (PVC)
Eye protection	Wear approved safety goggles with built in frame tested.
Other protection	Wear appropriate clothing to prevent any possibility of skin contact
Hygiene measures	DO NOT SMOKE IN WORK AREA! Wash hands at the end of each shift and before eating, drinking, smoking and the use of the toilet. Wash with soap and water if skin becomes contaminated
Personal protection	Use personal protective gear where necessary
Skin protection	Wear an apron or protective clothing in case of splash backs
Environmental exposure controls	Avoid discharge into drainage water

## 9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties	
Appearance	Liquid
Colour	Pale yellow to greenish yellow
Odour	Characteristic
Flash point	73.0°C - 74.0°C (closed cup)
Relative density	0.858 - 0.877 @ 20°C
Refractive index	1.451 - 1.464 @ 20°C

Boiling point	No additional data available
Melting point	No additional data available
Vapour pressure	No additional data available
Solubility in water @ 20°C	Insoluble in water.
Auto ignition temperature	No additional data available
<b>9.2. Other information</b>	
No additional data available	

## 10. STABILITY AND REACTIVITY

<b>10.1. Reactivity</b>	
No additional data available	
<b>10.2. Chemistry stability</b>	
Stable under the normal temperature and storage conditions	
<b>10.3. Possible hazardous reactions</b>	
No additional data available	
<b>10.4. Conditions to avoid</b>	
Avoid heat, sparks and open flames	
<b>10.5. Incompatible materials</b>	
Oxidising agents	
<b>10.6. Hazardous decomposition products</b>	
No additional data available	

## 11. TOXICOLOGICAL INFORMATION

<b>11.1. Information on toxicological effects</b>	
Acute toxicity	Toxic to aquatic organisms, may cause long term adverse effects in the aquatic environment
Skin irritation or corrosion	May cause sensitisation by skin contact. May cause discomfort if swallowed
Serious eye damage/ irritation	Spray and vapour in the eyes may cause irritation and smarting
Respiratory or skin sensitisation	In high concentrations, vapours may irritate throat and respiratory system and cause coughing

Germ Cell Mutagenicity	No additional data available
Carcinogenicity	No additional data available
Reproductive toxicity	No additional data available
STOT-single exposure	No additional data available
STOT-repeated exposure	No additional data available
Aspiration hazard	No additional data available
Photo-toxicity	No additional data available
Other information	No additional data available


## 12. ECOLOGICAL INFORMATION

<b>12.1. Toxicity</b>	
No additional data available, but must be considered that this product may be dangerous for the environment	
<b>12.2. Persistence and degradability</b>	
No additional data available	
<b>12.3. Bioaccumulation Potential</b>	
No additional data available	
<b>12.4. Mobility in soil</b>	
No additional data available	
<b>12.5. Results of PBT and vPvB Assessment</b>	
No additional data available	
<b>12.6. Other adverse effects</b>	
Do not allow product to enter streams, sewers or other waterways	

## 13. DISPOSAL CONSIDERATIONS

<b>13.1. Waste treatment methods</b>	
General information	Do not release into the environment.
Disposal must be made according to official regulation	

## 14. TRANSPORT INFORMATION

14.1. UN numbers			
Road	3082		
Sea	3082		
Air	3082		
14.2. UN Proper shipping name			
ENVIRONMENTALLY HAZARDOUS SUBSTANCE LIQUID N.O.S.			
14.3. Transport hazard class(es)			
ADR/RID/ADN Class	Class 9	Miscellaneous dangerous substance and articles	<b>Transport label</b> 
IMDG Class	Class 9	Miscellaneous dangerous substance and articles	
ICAO Class/Division	Class 9	Miscellaneous dangerous substance and articles	
EMS	F-A-S-F		
14.4. Packing group			
ADR/RID/ADN Packing	III		
IMDG Packing group	III		
ICAO Packing group	III		
14.5. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC code			
No additional data available			

## 15. REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture	
Statutory instruments	The chemicals [Hazard information and packaging for supply regulation 2009 (SI 2009 NO 716)]
Guidance notes	Workplace exposure limit EH40. CHIP for everyone HSG(108)
EU Legislation	Regulation (EC) No 1907/2006 of the European Parliament and the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation



	and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulations (EC) No 1488/94 as well as Council Directive 79/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC, 2000/21/EC, including amendments
<b>15.2. Chemical safety assessment</b>	
No additional data available	

## 16. OTHER INFORMATION

<b>16.1. Hazard and / or Precautionary Statements in Full</b>	
H226	Flammable liquid and vapour
H304	May be fatal if swallowed and enters airways
H302	Harmful if swallowed
H315	Causes skin irritation
H317	May cause an allergic skin reaction
H401	Toxic to aquatic life
H410	Very toxic to aquatic life with long lasting effects
H411	Toxic to aquatic life with long lasting effects
H400	Very toxic to aquatic life

Disclaimer: As the users' condition of work is not known, the information contained in this Material Safety Data Sheet is accurate to the best of our knowledge and is based on the national community regulations. The product must not be employed for uses other than those specified without having previously obtained written handling instructions. Users are responsible for taking all necessary to comply with the requirements of the law and local regulations. The information contained in this sheet should be regarded as the description of the safety requirements relating to our products and not as a guarantee of its properties.