





# Safety Data Sheet

## Nature's Essence

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

Product Name	Eucalyptus citriodora oil				
Biological Definition	Corymbia citriodora oil. Being the volatile oil obtained by steam distillation of the fresh twigs, leaves and sometimes the fruits of <i>Corymbia citriodora</i> (Hook) K.D. Hill & L.A.S. Johnson aka <i>Eucalyptus citriodora</i> Hook (Fam. Myrtaceae).				
INCI Name	Eucalyptus Citriodora Oil				
Synonyms & Trade Names	<i>Corymbia citriodora</i> oil; <i>Eucalyptus maculata</i> var. <i>citriodora</i> ; Lemon eucalyptus oil.				
Supplier	Nature's Essence Upper Hill Street, Blaenavon, Torfaen NP4 9NN				
Reach Registration Number	N/A				
(According to EU Reg 1907/2006)					
FEMA No.	---	FDA No.	---	CoE No.	186
CAS---No	85203-56-1	EC No.	286-249-8	EINECS No.	286-249-8

### 02. HAZARDS IDENTIFICATION

Classification (1999/45)	Xi+N; R38-43-51/53, S24-37-61				
Classification (EC 1272/2008)	UN-GHS: FL 4, ATO 5(2500), ATD 5(2500), SCI 2, EDI 2A, SS 1, EH A2,C2 EU-CLP: SCI 2, EDI 2, SS 1, EH A2,C2				
Label in accordance with (EC) No 1272/2008	  GHS07      GHS09				
Signal Word	Warning				
Contains	Citronellal, citronellol, pinenes, isopulegol, limonene				
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	P262 Do not get in eyes, on skin or on clothing P280 Wear protective gloves/protective clothing/eye protection/face protection. P273 Avoid release to the environment				



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	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	P391 Collect spillage
PBT or vPvB according to Annex XIII	No
Adverse physio---chemical properties	Combustible but will ordinarily self-ignite
Adverse effects of human health	May cause sensitisation by skin contact.

### 03. COMPOSITION/INFORMATION ON INGREDIENTS

75% Citronella	UN-GHS: ATO 5(2500); SCI 2; EDI 2A; SS 1; EH A2,C2
15% Citronellol	UN-GHS: ATO 5(3450); ATD 5(2650); SCI 2; SS 1; EH A2
0.5% Pinenes	UN-GHS: ATO 5(3700), SCI 2, SS 1
0.3% Isopulegol	UN-GHS: ATO 4(960); SCI 3
0.1% Limonene	UN-GHS: SCI 2; SS 1; EH A1,C1

### 04. FIRST AID MEASURES

General Information	See categories below
Inhalation	Remove from exposure area to fresh air. Contact a doctor if necessary.
Ingestion	Wash mouth out with water and obtain medical advice immediately.
Skin Contact	Remove contaminated clothing. Wash thoroughly with soap and water. Seek medical advice if irritation persists or there is any sign of tissue damage.
Eye Contact	Flush with plenty of water and seek medical advice if necessary.

### 05. FIRE-FIGHTING MEASURES

Extinguishing Media	Use CO <sub>2</sub> , Dry Powder or Foam type extinguishers, spraying extinguishing media to base of flames. Do not use direct water jet on burning material.
Special Fire Fighting Procedures	Wear protective clothing. Avoid inhalation of vapours.
Specific Hazards	None



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Protective Measures in Fire	Closed containers may build up pressure when exposed to heat and should be cooled with water spray
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### 06. ACCIDENTAL RELEASE MEASURES

Personal Precautions	Maintain good occupational and personal hygiene. Avoid contact with skin and eyes
Environmental Precautions	Do not discharge directly into drains or soil. Keep away from surface and ground water
Spill Clean Up Methods	Soak up spillage with sand or other inert material. Transfer soaked material to suitable waste container and dispose according to prevailing regulations.

### 07. HANDLING AND STORAGE

Usage Precautions	Apply good manufacturing practice & industrial hygiene practices, ensuring proper workplace ventilation. Observe good personal hygiene, and do not eat, drink or smoke whilst handling.
Storage Precautions	Store in tightly closed original container, in a cool, dry & ventilated area away from heat sources & protected from light. Keep air contact to a minimum.

### 08. EXPOSURE CONTROLS/PERSONAL PROTECTION

Protective Equipment	 
	Goggles      Gloves
Engineering Measures	Ensure good ventilation of working area.
Respiratory Equipment	As required. Avoid breathing product vapour.
Hand Protection	Avoid all skin contact. Use chemically resistant gloves if required.
Eye Protection	Use safety glasses.
Other Protection	As required
Hygiene Measures	Wash hands with soap & water after handling

### 09. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Mobile liquid
Colour	Yellow



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Odour	Characteristic
Relative Density	0.858 to 0.877 @ 20°C
Flash Point (°C)	73 c/c
Refractive Index	1.451 to 1.464 @ 20°C
Melting Point (°C)	Not given
Boiling Point (°C)	Not given
Vapour Pressure	Not given
Solubility in Water @20°C	Negligible
Auto-ignition temperature (°C)	Not determined

#### 10. STABILITY AND REACTIVITY

Stability	It presents no significant reactivity hazards, by itself or in contact with water.
Conditions to Avoid	Avoid storage temperatures above 25°C
Materials to Avoid	Avoid contact with strong acids, alkalis and oxidising agents.
Hazardous Decomposition Products	Liable to cause smoke & acrid fumes during combustion: carbon monoxide, carbon dioxide & other non-identified organic compounds may be formed.

#### 11. TOXOLOGICAL INFORMATION

Acute Toxicity	Acute oral toxicity LD50 (orl-mse): 4153 and 622.8 mg/kg, for oral & intraperitoneal acute toxicity respectively. Ref: ITF Macedo <i>et al.</i> "Evaluation of <i>Eucalyptus citriodora</i> essential oil on goat gastrointestinal nematodes" <i>Rev. Bras. Parasitol. Vet.</i> <b>20</b> ,3 ( 2011}
Skin corrosion/irritation	Skin corrosion/irritation Hazard Category 2 under EC 1272/2008 guidelines.
Serious eye damage/irritation	Serious eye damage/irritation Hazard Category 2 under EC 1272/2008 guidelines
Respiratory or skin sensitisation	Skin sensitiser Hazard Category 1 under EC 1272/2008 guidelines
Germ Cell Mutagenicity	Citronellal (major component in <i>Eucalyptus citriodora</i> oil reported to be mutagenic ( <i>Medical botany</i> Lewis and Elvin-Lewis, 1977).
Carcinogenicity	No component of the oil present at more than 0.1% has been identified as a carcinogen by IARC, ACGIH, US NTP or OSHA.



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Reproductive toxicity	No data found
STOT---single exposure	No data found
STOT---repeated exposure	No data found
Aspiration hazard	Not classified as an Aspiration Hazard under EC 1272/2008
Photo---toxicity	Not photo-toxic
Other Information	None

#### **12. ECOLOGICAL INFORMATION**

Ecotoxicity	Hazardous to the aquatic environment - Acute hazard, Category 2 Hazardous to the aquatic environment - Chronic hazard, Category 2
Mobility	No data found
Persistence & Biodegradability	No data found
Bioaccumulation Potential	No data found
PBT Assessment Results	No data found
Precautions	Do not discharge into the environment especially not into waterways, sewers and the sea.

#### **13. DISPOSAL CONSIDERATIONS**

Disposal Methods	Do not release into the environment. Collect waste into suitable containers and contact hazardous chemical disposal company.
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#### **14. TRANSPORT INFORMATION**

Warning Icon	None required
Proper Shipping Name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE LIQUID N.O.S.
UN No. Road	UN 3082
ADR Class	Class 9
Hazard No (ADR)	90



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Hazchem Code	•3YE
UN No. SEA	UN 3082
IMDG Class	Class 9
IMDG Pack Gr.	Pk Gp III
EMS	F-A, S-F
UN No. AIR	UN 3082
Air Class	Class 9
Air Pack Gr.	Pk Gp III

#### 15. REGULATORY INFORMATION

EU Directives	Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 <sup>th</sup> Dec 2006 Concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 199/45/EC and repealing Council Regulation Council Regulation (EEC) No793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, and 93/105/EEC and 2000/21/EC including amendments.
Statutory Instruments	The Chemicals (Hazard Information and Packaging for Supply Regulations 2009 (S.I. 2009 No 716).
Approved Code of Practice	Classification and Labelling of Substances and Preparations Dangerous for Supply. Safety Data Sheets for Substances and Preparations
Guidance Notes	Workplace Exposure Limits EH40. CHIP for everyone HSG 108.

#### 16. OTHER INFORMATION

Revision Date	4/2015
Rev No/Repl, SDS Generated	1
Risk Phrases in Full	R38 Irritating to skin R43 May cause sensitisation by skin contact R51/53 Toxic to aquatic organisms may cause long-term adverse effects in the aquatic environment.



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Hazard Statements in Full	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
Other Information	Complies with REACH guidance for SDS as circulated by ECHA 2011.

**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 user's responsibility to satisfy himself as to the suitability of such information for his own particular use.