

The Essentially Natural Domain (Pty) Ltd | Reg. No. 2014/170069/07
Unit 14, Duville Business Park, 8 Arum Lily Street, Durbanville, Cape Town, South Africa 7550
www.essentiallynatural.co.za (T) 021 976 9116 (E) support@essentiallynatural.co.za

MATERIAL SAFETY DATA SHEET

1. IDENTIFICATION OF SUBSTANCE/PREPARATION

1.1. Prod	uct Name				
Citronella Essen	Citronella Essen al Oil				
1.2. INCI Name					
Cymbopogon Winterianus					
CAS No.	91771-61-8	EC No.	294-954-7	EINEC No.	294-954-7

2. HAZARD IDENTIFICATION

2.1. Classification of substance or mixture

The full text for all hazard statements is displayed in sec on 16

ENVIRONMENT:

• The product contains a substance which is harmful to aqua c organisms and which may cause long term adverse effects in the aqua c environment

HUMAN HEALTH

May cause serious eye damage and skin irritation

2.2. Classification (EC 1272/2008)

Physical and chemical hazard	Not classified
Human Health	H317
	H318
	H315
Environment	H411
	H401

2.3. Label Elements

Labels in accordance with (EC) No 1272/2008







GHS09

GHS05

GHS09



Signal word	Danger
Contains	Citronellal, Citronellol, Eugenol, Geranial, Geraniol, Limonene
2.4. Hazaı	rdous Statements
H315	Causes skin irritation
H317	May cause an allergic skin reaction
H318	Causes serious eye damage
H401	Toxic to aqua c life
H411	Toxic to aqua c life with long las ng effects
2.5. Preca	outionary Statements
P273	Avoid release into the environment
P280	Wear protective gloves/eye protection/face protection
P262	Do not get in eyes, on skin, or on clothing
P305/P351/P338	If in eyes: rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
2.6. Suppl	lementary statements
P264	Wash thoroughly after handling
P302/P352	IF ON SKIN - wash with plenty of soap and water
P310	Immediately call a POISON CENTER or Dr/Physician
P332/P313	If skin irritation occurs - get medical attention/advise
P333/P313	If skin irritation or rash occurs: get medical attention/advise
P362	Take off contaminated clothing and wash before reuse
P261	Avoid breathing dust, fumes, gas, mist and or vapours and sprays
P272	Contaminated work clothing should not be allowed out of the work area
P363	Wash contaminated clothing before reuse
P391	Collect spillage
P321	See label for specific treatment



P333/P313	If skin irritation or rash occurs, get medical advice or attention	
P363	Wash contaminated clothing before use	
P501	Dispose of contents/container to	
2.7. Other	2.7. Other hazards	
PBT or vPvB according to Annex XIII No additional data available		No additional data available
Adverse physio-chemical proper es No addition		No additional data available
Adverse effects on human health		No additional data available

3. COMPOSITION / INFORMATION ON INGREDIENTS

3.1. Ingredients			
NAME OF CONSTITUENT	CAS NO.	EC NO.	% COMPOSITION
Citronellal	106-23-0	203-376-6	30.0% - 60.0%
Citronellol	106-22-9	203-375-0	≤ 35.0%
Citronellyl Acetate	150-84-5	205-775-0	1% - 5%
Eugenol	97-53-0	202-589-1	1% - 5%
Farnesol	4602-84-0	225-004-1	≤ 1.0%
Geranial	141-27-5	205-476-5	≤ 0.7%
Geraniol Acetate	106-24-1	203-377-1	10.0% - 30.0%
Geranyl Acetate	105-87-3	203-341-5	1% - 5%
Limonene	5989-27-5	227-813-5	1.0% - 10.0%

4. FIRST AID MEASURES

4.1. Descriptions of first aid measures		
Inhalation	Remove from the exposed area to fresh air. Obtain medical advice immediately	
Inges on	Immediately call a POISON CENTRE or Dr/Physician	
Skin contact	Remove/take off immediately all contaminated clothing. Rinse skin with water/shower	
Eye contact	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.	



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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 MEASURE

5.1.	Extinguishing media		
Suitable Ex	tinguishing media	Co2, dry powder or foam. Spray at base of flames	
5.2.	5.2. Special hazards arising from the product		
In case of f	ire, carbon monoxide or u	nidentified organic compounds may be liberated	
5.3. Advice for firefighters			
In case of insufficient ventilation, wear suitable respiratory equipment			

6. ACCIDENTAL RELEASE MEASURE

6.1. Personal precautions, protection equipment and emergency procedure

Wear protective clothing as described in Section 8 of this safety data sheet. Handle the product using protective gloves, resistant to the chemicals exposed. Avoid contact with skin and inhalation of its vapours or smoke. Maintain adequate ventilation in the working area after spilling

6.2. Environmental precautions

Avoid disposing into drainage, sewer systems or in any natural environment. Keep away from the surface and groundwater. Prevent further spillage if safe

6.3. Methods and material for containment and cleaning up

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. Ven late area and wash spill site a er material is picked up. Suppose according to current laws and regulations

7. HANDLING AND STORAGE

7.1. Precautions for safe handling

Observe good chemical hygiene practices. Do not eat, drink or smoke when using the product



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

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





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Process Conditions	Provide eye wash station
Engineering measures	Provide adequate ventilation and avoid static discharge in working area
Respiratory equipment	No specific recommendation made, but respiratory protection may still be required under exceptional circumstances when excessive air contamination exists
Hand protection	Use suitable protective gloves if risk of skin contact
Eye protection	If risk of splashing, wear safety goggles or face shield
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 work shift and before eating, smoking and using the toilet. Wash promptly with soap and water if skin becomes contaminated. Promptly remove any clothing that becomes contaminated. When using do not eat, drink or smoke
Personal protection	Use personal protection according to Directive 89/686/EEC
Skin protection	Wear apron or protective clothing in case of splashes
Environmental exposure controls	Avoid discharging into drainage water. Only eliminate by authorised companies



9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties		
Appearance	Clear Liquid	
Colour	Pale Yellow to Brownish Yellow	
Odour	Characteristic	
Flash point	978	
Relative density	0.850 - 0.950 @ 20°C	
Refractive index	1.450 - 1.490 @ 20°C	
Boiling point	220.0 - 225.0	
Melting point	No additional data available	
Vapour pressure	0.8mm Hg 25c	
Solubility in water @ 20°C	1:2 on Ethanol 80c	
Auto ignition temperature	No additional data available	
9.2. Other information		
No additional data available		

10. STABILITY AND REACTIVITY

10.1. F	Reactivity
Stable under t	the recommended temperature, handling and storage conditions
10.2.	Chemistry stability
Stable under t	the recommended handling and storage conditions
10.3. F	Possible hazardous reactions
No additional	l data available
10.4.	Conditions to avoid
10.4.	
Avoid heat, sp	parks and open flames



10.5. Incompatible materials

Avoid contact with strong acids, alkalis and oxidising agents

10.6. Hazardous decomposition products

In case of fire, dangerous decomposition products can be generated, such as carbon monoxide and dioxide and nitrogen fume and oxides

11. TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects		
Acute toxicity	Toxic to aqua c organisms, may cause long term adverse effects in the aqua c environment	
Skin irritation or corrosion	May cause discomfort if swallowed. May cause sensitisation by skin contact	
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

12.1. Toxicity

We have no data regarding ecotoxicity, but it must be considered that this product may be dangerous for the environment

12.2. Persistence and degradability

No additional data available



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12.3.	Bioaccumulation Potential
No addition	nal data available
12.4.	Mobility in soil
No addition	nal data available
42.5	

12.5. Results of PBT and vPvB Assessment

No additional data available

12.6. Other adverse effects

Do not allow product to enter streams, sewers or other waterways

13. DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Do not release into the environment.

14. TRANSPORT INFORMATION

14.1. UN numbers	
Road	3082
Sea	3082
Air	3082

14.2. UN Proper shipping name

ENVIRONMENTALLY HAZARDOUS SUBSTANCES LIQUID N.O.S.

14.3. Transport hazard class(es)

ADR/RID/ADN	Class 9	Miscellaneous dangerous substances and articles
IMDG	Class 9	Miscellaneous dangerous substances and articles
ICAO	Class 39	Miscellaneous dangerous substances and articles





14.4.	Packing group	
ADR/RID/ADN		III
IMDG		III
ICAO		III
14.5. Environmental hazards		
Environmentally hazardous substance/marine pollutant		
14.6. Special precaution for user		
EMS		F-A, S-F
Emergency	code	3Z

15. Safety, health and environmental regulation/legislation specific for the substance or mixture

Hazard No.

Tunnels Restriction Code

(E)

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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	Regula on (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	
15.1. Chemical safety assessment		
No additional data available		

(ADR) 90 environmentally hazardous substance; miscellaneous dangerous substance



16. OTHER INFORMATION

16.1. Hazard and / or Precautionary Statements in Full		
H318	Causes serious eye damage	
H319	Causes serious eye irritation	
H315	Causes skin irritation	
H226	Flammable liquid and vapour	
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	
16.2	Disclaimer	

16.2. Disclaimer

As the users' conditions of work are 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 writing 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.