

Material Safety Data Sheet

**24 HOUR EMERGENCY NUMBER:
(800) 222-1222 POISON CONTROL**

SECTION 1.1 PRODUCT IDENTIFICATION

Product Name: Citronella Essential Oil
CAS #: 8000-29-1
EINECS #: 294-954-7

SECTION 1.2 COMPANY INFORMATION

Company: Nature's Fusions
Address: 57 N 1380 W, Orem, UT, 84057
Telephone No: 801-872-9500

SECTION 2.1 HAZARDS CLASSIFICATION

GHS-US Classification: Flammable Liquid 4
Skin Corrosion/Irritation 2
Eye Damage/Irritation 1
Sensitization - Skin 1
Aquatic Chronic Environment 2

SECTION 2.2 HAZARDS IDENTIFICATION

Signal Word: Danger
Hazard Pictograms:



Hazard Statement: H227 Combustible liquid.
H315 Causes skin irritation.
H318 Causes serious eye damage.
H317 May cause an allergic skin reaction.
H411 Toxic to aquatic life with long lasting effects.
H304 May be fatal if swallowed and enters airways.

Precautionary Statement: P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
P280 Wear protective gloves/eye protection/face protection.
P370+P378 In case of fire: Use media other than water to extinguish.
P403+P235 Store in a well-ventilated place. Keep cool.
P264 Wash face, hands, and any exposed skin thoroughly after handling.
P302+P352+P362 IF ON SKIN: Wash with plenty of soap and water. Take off contaminated clothing and wash before reuse.
P305+P351+P338+P310 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Immediately call a POISON CENTER or doctor/physician.
P261 Avoid breathing dust/fume/gas/mist/vapors/spray.

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P272 Contaminated work clothing should not be allowed out of the workplace.
P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
P363 Wash contaminated clothing before reuse.
P273 Avoid release to the environment.
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

SECTION 2.3 OTHER HAZARDS IDENTIFICATION

Other Hazards: No additional information available.

SECTION 3. COMPOSITION

Product Name	CAS #	EC #	Concentration
Citronella	8000-29-1	294-954-7	100%

SECTION 4.1 NECESSARY FIRST AID MEASURES

Eye Contact:	Irrigate the eyes with copious volumes of water for at least 15 minutes with the eye lids held open. Seek medical advice if inflammation persists.
Inhalation:	Remove person to fresh air, remove any contaminated clothing, in case of breathing difficulty seek medical advice.
Ingestion:	Dilute internally with water, do not induce vomiting. Seek medical advice immediately.
Skin Contact:	Wash affected area with soap and running water, if irritation persists seek medical advice.

SECTION 4.2 SYMPTOMS

Eye Contact:	No additional information available.
Inhalation:	No additional information available.
Ingestion:	No additional information available.
Skin Contact:	No additional information available.

SECTION 4.3 OTHER FIRST AID MEASURES

Medical Attention/Special Treatment:	Treat symptomatically.
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SECTION 5.1 EXTINGUISHING

Suitable Extinguishing media:	Foam. Carbon Dioxide. Dry Powder.
Unsuitable Extinguishing media:	Water.

SECTION 5.2 SPECIAL HAZARDS

Special Hazards Arising from Chemical:	Combustion products: Carbon Monoxide, Carbon Dioxide, Smoke.
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SECTION 5.3 FIRE FIGHTING MEASURES

Firefighter Instructions:	Wear proper protective equipment. Exercise caution when fighting any chemical fire. Use water spray or fog for cooling exposed containers.
Protection during firefighting:	No special fire fighting equipment require.

SECTION 6.1 ACCIDENTAL RELEASE MEASURES

Personal Precautions:	Wear clothing suitable for an emergency.
Protective equipment:	Equip clean crew with proper protection. Respiratory protection equipment may be necessary.
Environmental Precautions:	Contain the leak with earth or sand. Prevent from entering drains, sewers, and water courses. If this cannot be done, advise the local authority.

SECTION 6.2 ACCIDENTAL RELEASE CLEANING MEASURES

Methods and Material for Cleaning Up:	Absorb spillage onto sand or earth. Transfer to a suitable container for disposal.
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SECTION 7.1 PRECAUTIONS FOR HANDLING

Precautions for handling:	Handle in a well ventilated area, away from sources of ignition, DO NOT SMOKE.
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SECTION 7.2 CONDITIONS FOR SAFE STORAGE

Conditions for safe storage:	Store in well-filled, tightly closed containers away from heat, light, and sources of ignition.
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SECTION 8.1 EXPOSURE AND ENGINEERING CONTROLS

PEL, ACGIH, TLV exposure limit:	No additional information available.
Appropriate engineering controls:	Showers. Eyewash stations. Ventilation system.

SECTION 8.2 PERSONAL PROTECTION/EQUIPMENT

Eye/Face Protection:	Tight sealing safety goggles.
Hand Protection:	Wear protective gloves.
Skin and Body Protection:	Wear suitable protective clothing.
Respiratory Protection:	Use only in well ventilated areas. Use protection in poor ventilation.
Environmental Exposure Control:	No additional information available.

SECTION 8.3 ADDITIONAL INFORMATION

Other:	No additional information available.
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SECTION 9.1 PHYSICAL PROPERTIES

Appearance:	Clear light yellow to brownish liquid.
Odor:	Top note of medium aroma, Citronella has a well-rounded lemony scent, though it is much softer and has subtle wood tones.
Odor Threshold:	No data available.
Physical State:	Liquid.

SECTION 9.2 CHEMICAL PROPERTIES

pH:	No data available.
Melting Point/Freezing Point:	No data available.
Boiling Point:	No data available.

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Flash Point:	75° C
Evaporation Rate:	No data available.
Flammability (solid, gas):	Combustible.
Explosive limits:	No data available.
Vapor Pressure:	No data available.
Vapor Density:	No data available.
Specific Gravity:	0.880 – 0.922 @ 25° C (77° F)
Solubility:	Soluble in alcohol and oils. Insoluble in water.
Partition coefficient: (n-octanol/water)	No data available.
Autoignition Temp:	No data available.
Decomposition Temp:	No data available.
Viscosity:	No data available.

SECTION 10. STABILITY AND REACTIVITY

Reactivity:	Will react with oxidizing agents.
Chemical Stability:	Stable under proper storage conditions.
Hazardous Reactions:	Not if stored correctly.
Incompatible Materials:	Oxidizing agents.
Hazardous Combustion or Decomposition Products:	On combustion may product smoke, Carbon Monoxide and Carbon Dioxide.

SECTION 11.1 ROUTES OF EXPOSURE

Inhalation:	Refer to section 4.2
Skin Contact:	Refer to section 4.2
Eye Contact:	Refer to section 4.2
Ingestion:	Refer to section 4.2

SECTION 11.2 RELATED SYMPTOMS

Inhalation:	Refer to section 4.2
Skin Contact:	Refer to section 4.2
Eye Contact:	Refer to section 4.2
Ingestion:	Refer to section 4.2

SECTION 11.3 OTHER TOXICOLOGICAL INFORMATION

Delayed/Chronic Effects:	May cause allergic reactions on skin, may result in difficulty breathing.
Toxicity:	Oral LD50 >5000 mg/kg (Rat) Dermal 4700mg/kg (Rabbit)
Carcinogenic:	Not Carcinogenic.

SECTION 12.1 ECOLOGICAL INFORMATION

Eco-toxicity:	Toxic to aquatic organisms, may cause long-term adverse effects
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Persistence and Degradability:	environment. Avoid any pollution of ground, surface or underground water. Biodegradable.
Bio-accumulative:	Potential.
Mobility in Soil:	Readily absorbed into soil.

SECTION 12.2 OTHER ECOLOGICAL INFORMATION

Other Adverse Effects:	No additional information available.
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SECTION 13. DISPOSAL CONSIDERATION

Waste Disposal Method:	Do not dispose into drainage systems. Ensure disposal is within local and national guidelines. Consult a specialist waste disposal company for correct disposal procedure and/or seek other expert advice.
Contaminated Packaging Disposal Method:	No additional information available.

SECTION 14. TRANSPORT INFORMATION

DOT Shipping (Land):	Regulated
IATA Shipping (Air):	Regulated
IMDG Shipping (Boat):	Regulated. Marine Pollutant: Yes.
Proper Shipping Name:	Environmentally Hazardous Substance, Liquid, N.O.S (Citronella Oil)
UN #:	3082
Hazard Class:	9
Packaging Group:	III

SECTION 15. REGULATORY INFORMATION

US Federal Regulations:	Listed on the United States TSCA (Toxic Substances Control Act) inventory
International Regulations:	Listed on the Canadian DSL (Domestic Substances List)

SECTION 16. OTHER INFORMATION

Health Hazard (HMIS):	No additional information available.
Flammability Hazard (HMIS):	No additional information available.
Physical Hazard (HMIS):	No additional information available.
Sara 313:	None
California Proposition 65:	This product contains trace amounts of naturally occurring Methyleugenol. Product is California Proposition 65 compliant.

Creation Date:	8/5/2017
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