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LIBERTY NATURAL PRODUCTS, INC.

*The Source for the Finest
Pure and Natural Botanical Oils and Extracts*

Section 1. Product and Company Identification

Product Name:	Citronella India
Product Code:	374
Description:	Essential Oil of Citronella
Product Use:	Industrial
Manufacturer:	Liberty Natural Products, 20949 S Harris Rd, Oregon City, OR 97045 (800) 289-8427
Emergency Phone:	USA, Canada, Mexico: 1-800-535-5053 International: 1-352-323-3500

Section 2. Hazards Identification

Category:	H226 Flammable liquid and vapor.
Signal Word:	Warning
Ingestion:	N/A
Health Risks:	H304 May be fatal if swallowed and enters airways.
Eye Contact:	H318 Causes serious eye damage.
Skin Contact:	H315 Causes skin irritation. H317 May cause an allergic skin reaction.
Environmental:	H401 Toxic to aquatic life. H411 Toxic to aquatic life with long lasting effects.

Pictograms:



PRECAUTIONARY STATEMENT:

- P210 Keep away from heat, sparks, open flames or hot surfaces. – No smoking.
- P261 Avoid breathing dust, fume, gas, mist, vapors, spray.
- P264 Wash parts in contact thoroughly after handling.
- P272 Contaminated work clothing should not be allowed out of the workplace.
- P273 Avoid release to the environment.
- P280 Wear protective gloves, protective clothing, eye protection, face protection.
- P301+P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
- P302+P352 IF ON SKIN: Wash with plenty of soap and water.
- P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P310 Immediately call a POISON CENTER or doctor/physician.
- P321 Specific treatment.
- P331 Do NOT induce vomiting.

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P332+P313 If skin irritation occurs: Get medical advice.
P333+P313 If skin irritation or rash occurs: Get medical advice.
P362 Take off contaminated clothing and wash before reuse.
P363 Wash contaminated clothing before reuse.
P370+P378 In case of fire: Use CO2 foam, dry chemical for extinction.
P391 Collect spillage

Section 3. Composition and Information on Ingredients

Chemical Name:	<i>Cymbopogon Winterianus Jowett</i>
Physical State:	Liquid.
CAS#	91771-61-8
Impurities:	None.
Trade Secret Claim:	None.

Section 4. First Aid Measures

Eyes:	Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
Skin Contact:	Immediately wash with water and soap and rinse thoroughly. If skin irritation continues, consult a doctor.
Inhalation:	Supply fresh air. In case of unconsciousness place patient stably in side position for transportation.
Ingestion in excess:	Drink copious amounts of water and provide fresh air. Immediately call a doctor.
Emergency Care:	Contact local emergency provider. For non-emergency, contact primary care provider.
PPE:	Gloves, lab coat or uniform, safety glasses, eyewash, safety shower.

Section 5. Fire-Fighting Measures

Flammability:	Flammable.
Extinguishing Media:	SUITABLE: CO2, sand, extinguishing powder NON SUITABLE: Water.
Special Fire-Fighting Procedure:	None
Unusual Fire and Explosion Hazards:	Essential and vegetable oils have the potential to self-heat and contribute to spontaneous combustion when present on fabrics. Caution should be exercised in the storage and launder of fabrics exposed to oils.
PPE and Precautions for Firefighters:	N/A

Section 6. Accidental Release Measures

Personal Precautions:	Protective equipment and emergency procedures. Wear protective equipment. Keep unprotected persons away. Keep away from ignition sources. Avoid contact with eyes and mucous.
Environmental Precautions:	Do not dispose in sewer or in any natural environment.
Containment:	Absorb with clay, sand, or other non-combustible material. Prevent entry into waterways, sewers, and confined areas.
Clean Up:	Disposal must be made according to official regulations. Recover in a tight container. Wash with plenty of water after complete elimination of the product.

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Section 7. Handling and Storage

Handling Precautions:	Ensure good ventilation/exhaustion at the workplace. Avoid contact with eyes and mucous.
Storage Precautions:	Keep away from humidity in a fresh place. Keep container closed after using.
Other:	See Section 8

Section 8. Exposure Controls/Personal Protection

Engineering Controls:	Keep away from foodstuffs, beverages and feed. Avoid contact with the eyes.
Respiratory Protection:	Assure a good ventilation of work place. Use suitable respiratory protective device in case of insufficient ventilation.
Hand Protection:	Plastic or synthetic rubber impermeable gloves
Eye Protection:	Goggles giving complete protection to eyes. Eyewash bottle with clean water.
Skin and Body Protection:	Clothes for chemical protection to avoid contact.
Ingestion:	Do not eat, drink and smoke while using.
Industrial Hygiene:	Provide an extraction or global ventilation of the work place to reduce concentrations of the steams.
OSHA Permissible Exposure Limits (PELs):	N/A
ACGIH Threshold Limit Values:	N/A

Section 9. Physical and Chemical Properties

Appearance:	Pale yellow to brownish yellow
Upper/Lower Flammability:	N/A
Odor:	Fresh and sweet
Vapor Pressure:	N/A
Odor Threshold:	N/A
Vapor Density:	N/A
pH:	N/A
Relative Density:	N/A
Melting Point:	N/A
Freezing Point:	N/A
Solubility:	Insoluble
Initial Boiling Point and Boiling Range:	N/A
Flash Point:	167°F / 75°C
Evaporation Rate:	N/A
Flammability Category:	N/A
Partition Coefficient:	N/A
Auto-ignition Temperature:	N/A
Decomposition Temperature:	N/A
Viscosity:	N/A
Specific Gravity:	0.870 – 0.890 at 25°C

Section 10. Stability and Reactivity

Stability:	Stable under normal circumstances. Avoid heat and ignition sources.
Avoid:	Excessive heat. Strongly oxidizing and reducing agents.

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Incompatibility: Undetermined
Hazardous Byproducts: None in normal conditions
Other: None

Section 11. Toxicological Information

Toxicological and Health Effects: Aspiration hazard.
Likely Routes of Exposure: Eyes, nose, mouth, skin.
Signs and Symptoms of Exposure: SKIN CONTACT: Can induce irritations.
EYE CONTACT: Serious eye damage/eye irritation.
INHALATION: No specific hazard in normal use.
LD50 median lethal dose: N/A
Listed NTP Carcinogen: N/A
INGESTION: N/A

Section 12. Ecological Information

TOXICITY: See Section 2
PERSISTENCE / DEGRADABILITY: No information available.
BIOACCUMULATION POTENTIAL: No information available.
RESULTS OF PBT AND vPvB ASSESSMENT: No information available.
MOBILITY IN SOIL: No information available.
OTHER ADVERSE EFFECTS: Do not allow product to reach ground water, water course or sewage system. Harmful to aquatic organisms. The product contains materials that are harmful to the environment.

Section 13. Disposal Considerations

Disposal Containers: To comply with the regulations and prefectural orders in use. Throwing out is forbidden. Packaging must be well emptied.
Waste Disposal: N/A
Special Considerations: Must be specially treated adhering to official regulations.

Section 14. Transport Information

UN Number: UN 3082
UN Shipping Name: Environmentally hazardous substance, liquid, n.o.s.
Transport Hazard Class: 9
Packing Group Number: III
Stowage and Handling: N/A

Section 15. Regulatory Information

Product Regulations: N/A

Section 16. Other Information

Last Revised: 1/7/2021 **Initial of Editor:** SAM

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This safety sheet cannot cover all possible situations which the user may experience during processing. Each aspect of your operation should be examined to determine if, or where, additional precautions may be necessary. All health and safety information contained in this bulletin should be provided to your employees or customers.

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