

MATERIAL SAFETY DATA SHEET

CITRONELLA OIL

1. PRODUCT NAME AND COMPANY IDENTIFICATION

Product Name: CITRONELLA ESSENTIAL OIL

Product Use: Personal Care Formulations

Company Name: RAWPHARMA BIZ PVT LTD

Company Address: 1101-CITY CENTRE-2
SCIENCE CITY ROAD, SOLA
AHMEDABAD, 380060
GUJARAT, INDIA.

Emergency Telephone Number: 8320310672

2. COMPOSITION/INGREDIENT INFORMATION

Ingredients:

Steam Distilled Citronella winterianus
Oil 100%

Hazardous Components: Essential oil and derivatives

CAS #: 8000-29-1

EINECS #: 294-954-7

3. HAZARDS IDENTIFICATION

Routes of Entry Eye

Contact: Irritation will occur with possible damage

Skin Contact: May cause irritation or allergic dermatitis upon prolonged exposure

Inhalation: Inhalation may cause irritation in throat and lungs. High concentrations of vapor may cause anesthetic effects.

Ingestion: Harmful if swallowed

4. FIRST AID MEASURES

Eyes: Flush with plenty of water or eye wash solution for 15 minutes. Get medical attention if irritation persists.

Skin: Remove contaminated clothing. Wash with soap and flush with plenty of water. Seek medical attention if irritation persists.

Ingestion: Administer water or milk to dilute. Seek medical attention immediately or call a poison control center.

Inhalation: Avoid gross inhalation of fumes. Remove to fresh air and seek medical attention if needed.

5. FIRE FIGHTING MEASURES

Flash Point (Method Used): 81°C Closed Cup

Extinguishing Media: Dry Chemical, Carbon Dioxide, Foam
Unsuitable Media: Water (except to cool containers)

Special Firefighting Procedures: Fire fighters should wear positive pressure self-contained breathing apparatus. Toxic vapors may be released. Cool containers exposed to flame with water. Spray extinguishing media directly into base of fire.

Unusual Fire & Explosion Hazards: None known
Hazardous Decomposition Materials: Burning produces CO and CO₂

6. ACCIDENTAL RELEASE MEASURES (STEPS FOR SPILLS)

Personal Protection: Avoid ingestion
Follow good industrial practice as to housekeeping, personal hygiene, and avoidance of prolonged or repeated contact with the skin or eyes.
Wear eye protection, gloves, and aprons. Ventilate area well or wear approved respirators.

Methods for Cleaning Up: Eliminate all sources of ignition
Ventilate area or wear approved respirators
Prevent liquid from entering sewers
Small spills can be wiped up with paper rags (place in closed metal waste container)
Large spills can be absorbed onto non-flammable absorbent.
Wash area with soap and water.

7. HANDLING AND STORAGE

Handling

Safe Handling: Avoid ingestion
Follow good industrial practice as to housekeeping, personal hygiene, and avoidance of prolonged or repeated contact with the skin or eyes.
Wear eye protection, gloves, and aprons. Ventilate area well or wear approved respirators.

Storage

Requirements for Storage Areas and Containers: Store in an area that is cool, dry, and well-ventilated. Do not expose to temperatures over 60°C.

8. EXPOSURE CONTROL/PERSONAL PROTECTION

Threshold Limit Value: Not established

OSHA Permissible Limit: Not established

Engineering Controls: Provide adequate ventilation. Safety showers and eye wash stations should be located near work areas.
Personal hygiene is an important work practice exposure control measure, and the following general measures should be taken when working with or handling this material:

Work Practice Controls:

- (1) Do not store, use, and/or consume foods, beverages, tobacco products, or cosmetics in areas where this material is stored.
- (2) Wash hands and face carefully before eating, drinking, using tobacco, applying cosmetics, or using the toilet.
- (3) Wash exposed skin promptly to remove accidental splashes or contact with this material.

Respiratory:	Avoid casual breathing of vapors
Ventilation:	Local, mechanical exhaust in recommended
Eye:	OSHA approved safety glasses
Skin:	Wear gloves and clothing to avoid skin contact

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Liquid, Oil
Color:	Clear yellow to pale brown
Odor:	Characteristic of lemon, herbaceous
Vapor Pressure (mm Hg.):	Not available
Flash Point:	81°C
Boiling Point:	+ 215°C
Melting Point:	NA
Specific Gravity (H₂O = 1):	0.878 – 0.895
Refractive Index @ 25°C:	1.4660-1.4750
Optical Rotation:	-5° to 0°
Solubility in Water:	Insoluble

10. STABILITY AND REACTIVITY

Stability:	This material is stable under normal conditions
Incompatibility (Materials to Avoid):	Avoid contact with strong oxidizing agents and avoid hot work and sources of ignition on or near empty containers.
Conditions to Avoid:	Avoid contact with sparks, flame, and heat.
Hazardous Decomposition or Byproducts:	CO, CO ₂ , smoke, and unidentified organic compounds may be formed during combustion.
Hazardous Polymerization:	Will Not Occur

11. TOXICOLOGICAL INFORMATION

CAUTION: Liquid may be irritating to eyes and skin.

ACGIH TLV:	None established
OSHA PEL:	None established
Carcinogenicity:	NTP Monograph: None established IARC Monograph: None established
Acute Toxicity Data:	Oral LD50: > 5000 mg/kg [Rat] Dermal LD50: > 4700 mg/kg [Rabbit] Inhalation LC50: None established
Irritancy:	Not Available
Sensitization:	Not Available
Phototoxicity:	Not Available

12. ECOLOGICAL INFORMATION

Aquatic Toxicity:	Toxic to aquatic organisms, may cause long term adverse effects in the aquatic environment
Mobility:	Low mobility in the soil
Persistence:	Not available

Bio-accumulative Potential: Not available

13. DISPOSAL CONSIDERATIONS

Waste Disposal Methods: Dispose of according to local, state, and federal regulations.

14. TRANSPORT INFORMATION

Customs Rate Code: 3301 29 41 00
Class: 9

Land Transport: ADR/RID: UN #: 3082
Packing Group: III
Label Name: Environmentally Hazardous Substance, Liquid, N.O.S.
Class: 9

Maritime Transport: IMDG: UN #: 3082
Packing Group: III
Label Name: Environmentally Hazardous Substance, Liquid, N.O.S.
Marine Pollutant: Yes

Air Transport: ICAO-TI/IATA-DGR: Class: 9
UN #: 3082
Packing Group: III
Label Name: Environmentally Hazardous Substance, Liquid, N.O.S.

15. REGULATORY INFORMATION

Federal & State Regulations: TSCA 8(b) inventory: Citronella Oil

Other Regulations: OSHA: Hazardous of Hazard Communication Standard (29 CFR 1910.1200).

Other Classifications:

WHMIS (Canada): Class B-3: Combustible liquid with a flash point between 37.8°C (100°F) and 93.3°C
Class D-2A: Material causing other toxic effects (VERY TOXIC).

DSCL (EEC): R38: Irritating to skin
R41: Risk of serious damage to eyes
Health Hazard: 2

HMIS (USA): Fire Hazard: 2
Reactivity: 0
Personal Protection: h
Health Hazard: 2

National Fire Protection Association (USA): Flammability: 2 Reactivity: 0
Specific Hazard:

Protective Equipment: Gloves
Lab Coat
Approved Vapor Respirator
Splash Goggles

16. ADDITIONAL INFORMATION

This information is provided for documentation purposes only.

The complete range of conditions or methods of use are beyond our control therefore we do not assume any responsibility and expressly disclaim any liability for any use of this product. Information contained herein is believed to be true and accurate however, all statements or suggestions are made without warranty, expressed, or implied, regarding accuracy of the

information, the hazards connected with the use of the material or the results to be obtained from the use thereof. Compliance with all applicable federal, state, and local laws and local regulations remains the responsibility of the user.

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.