

江西海瑞天然植物有限公司
JIANGXI HAIRUI NATURAL PLANT CO. LTD.

ADD: No.267 JiaHua Avenue,Jinggangshan Economic Development Zone, Ji'an city, Jiangxi province,
China. Zip code:343009 Tel: 0796-8107398 FAX: 0796-8108396 Website:
www.jxhairui.com

MATERIAL SAFETY DATA SHEET OF CITRONELLA OIL

1 CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: Citronella Oil

Manufacture: Jiangxi Hairui Natural Plant Co. Ltd.

Address: No.267 JiaHua Avenue,Jinggangshan Economic Development Zone,, Ji'an City, Jiangxi, China

Post code: 343100

Fax: 86-0796-8108396

Tel: 86-0796-8107398

2. COMPOSITION/INGREDIENT INFORMATION

Ingredients: Steam Distilled Cymbopogon winterianus Oil

Hazardous Components: Essential oil and derivatives

CAS #: 8000-29-1

3. HAZARDS IDENTIFICATION

This item is not belonging to the dangerous product.

Routes of Entry

Eye Contact: Irritation will occur with possible damage

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

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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

Method of Outfire: Try to move the container to the open field as possible. Spray the water to keep the container cold on the fire place until the fire has put out. If the container at the fireground has changed the color or make sound from the safety pressure relief device, all the people should leave as soon as possible.

Extinguishant: Foam, dry powder, carbon dioxide, sandy soil. Water is invalid.

6. 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

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Hazardous Decomposition

Materials: Burning produces CO and CO₂

7. 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.

8. HANDLING AND STORAGE

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.

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Storage Place in cool and dry area. Do not expose to temperatures over 60°C.

9. 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.

Work Practice Controls:

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:

(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 is recommended

Eye: safety glasses or goggles

Skin: Wear gloves and clothing to avoid skin contact

10. PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Liquid, Oil

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Color: Clear yellow

Odor: Characteristic of herbaceous

Vapor Pressure (mm Hg.): Not available

Specific Gravity: 0.888 – 0.895

Refractive Index @ 25°C: 1.470-1.4750

Optical Rotation: -5° to -4°

Solubility in Water: Insoluble

Used: Mainly used in: Used to extract the citronellol, add in the pesticide or
mosquito incense, or as fragrance in the soap.

11. 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 Byproducts:

CO, CO₂, smoke and unidentified organic compounds may be formed
during combustion.

12. TOXICOLOGICAL INFORMATION

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CAUTION: Liquid may be irritating to eyes and skin.

ACGIH TLV: None established

OSHA PEL: None established

Carcinogenicity: 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

13. 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

14. DISPOSAL CONSIDERATIONS

Waste Disposal Methods: Dispose of according to local state.

15. TRANSPORT INFORMATION

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Customs Rate Code: 3301292000

Maritime Transport: N/A

Air Transport: N/A

Package: 180kg/Galvanized steel drum

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.

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.