



# MATERIAL SAFETY DATA SHEET

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## SECTION 1 IDENTIFICATION OF THE MATERIAL AND SUPPLIER

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### Product Name: CITRONELLA OIL

Company: Recochem Inc. ABN: 69 010 485 999  
Address : 1809 Lytton Road, Lytton, Queensland 4178  
Phone: (07) 3308 5200 Fax: (07) 3308 5201  
Emergency Telephone Number: (07) 3308 5200 Day, After Hours 1300 131 001

Other Names: None  
Manufacturer's Product Code: 16966  
Recommended Use: Varied

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## SECTION 2 HAZARDS IDENTIFICATION

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**CLASSIFIED AS HAZARDOUS ACCORDING TO CRITERIA OF WORKSAFE AUSTRALIA  
NOT A DANGEROUS GOODS ACCORDING TO THE CRITERIA OF THE ADG CODE**

**Symbols:** Xn - Harmful  
Xi - Irritant  
**Risk Phrases:** R37/38 - Irritating to respiratory system and skin  
R41 - Risk of serious eye damage  
R43 - May cause sensitisation by skin contact  
**Safety Phrases:** S2 - Keep out of the reach of children  
S23 - Do not breathe vapour  
S24/25 - Avoid contact with skin and eyes  
S26 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice  
S36/37/39 - Wear suitable protective clothing, gloves and eye/face protection

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## SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS

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### INGREDIENTS

<i>Chemical Entity</i>	<i>CAS Number</i>	<i>Proportion (%)</i>
Citronella Oil	8000-29-1	100

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## SECTION 4 FIRST AID MEASURES

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### FIRST AID TREATMENT

**Swallowed:** If swallowed, do NOT induce vomiting. Rinse mouth with water. Transport to nearest medical facility for additional treatment.  
**Eye:** If in eyes, hold eyes open, flood with water for at least 15 minutes. If redness, burning, blurred vision, or swelling persist transport to nearest medical facility for additional treatment.  
**Skin:** If skin contact occurs, remove contaminated clothing and wash skin thoroughly with water and follow by washing with soap if available.  
**Inhaled:** Remove victim from exposure if safe to do so. If rapid recovery does not occur, transport to nearest medical facility for additional treatment. Remove contaminated clothing.

**First Aid facilities:** Potable water should be available to rinse eyes or skin. Provide eye baths and safety showers.

**Advice to Doctor:** Treat symptomatically.

**Additional Information:** None available.

**Product: CITRONELLA OIL**

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## **SECTION 5 FIRE FIGHTING MEASURES**

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**Suitable Extinguishing Media:** Foam, water spray or fog, dry chemical powder. Do not use water in a jet.

**Hazards from combustion products:** Combustible liquid. Hazardous decomposition products may include carbon monoxide and carbon dioxide.

**Precautions for Fire Fighters and Special Protective Equipment:** Wear full protective clothing and self-contained breathing apparatus.

**Additional Information:** Hazchem code – not applicable.

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## **SECTION 6 ACCIDENTAL RELEASE MEASURES**

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Observe all local and national regulations.

**Spills and Disposal:** Avoid contact with spilled or released material. Shut off leaks, if possible without personal risks. Remove all sources of ignition in the surrounding area. Use appropriate containment to avoid environmental contamination. Prevent from spreading and entering waterway using sand, earth or other appropriate barriers. Take precautionary measure against static discharge. Ensure electrical continuity by bonding and earthing all equipment.

**Methods and Materials for Containment and Clean Up Procedures:** For small spills (<1 drum), transfer by mechanical means to a labelled, sealable container for product recovery or safe disposal. Allow any residues to evaporate or use an appropriate absorbent material and dispose of safely. For larger spills (> 1 drum), transfer by means such as a vacuum truck to a salvage tank for recovery or disposal. Do not flush residues with water. Retain as contaminated waste. Allow any residues to evaporate or use an appropriate absorbent material and dispose of safely.

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## **SECTION 7 HANDLING AND STORAGE**

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**Precautions for Safe Handling and Storage:** Avoid breathing of or contact with material. Use in well ventilated areas. Wash thoroughly after handling. Avoid contact with skin and eyes and clothing. Handle open containers in well ventilated area. Ensure that the workplace is ventilated such that the Occupational Exposure limit is not exceeded. Do not empty into drains. Do not eat, drink or smoke in contaminated areas. Before eating, drinking or smoking, remove contaminated clothing and wash hands. Do not store near strong oxidants.

**Dispensing:** Take measures to prevent the build up of electrostatic charge.

**Flammability:** Combustible.

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## **SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION**

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**Exposure Standards:** In the absence of occupational exposure standards for this product, it is recommended that the following are adopted. 350mg/m<sup>3</sup> TWA (8hr).

**Biological Limit Values:** No biological limit allocated.

**Personal Protective Equipment:**

**Respiratory Protection:** If work practices do not maintain airborne level below the exposure standard, use appropriate respiratory protection equipment. When using respirators, select an appropriate combination of mask and filter and select a filter for organic gases and vapours (boiling point > 65 Deg C). Respirators should comply with AS1716 or an equivalent approved by a state/territory authority.

**Hand Protection:** Use solvent resistant gloves (nitrile for longer term protection or PVC and neoprene for incidental splashes).

**Eye Protection:** Wear safety goggles.

**Protective Clothing:** Use chemical resistant glove/gauntlets, boots and apron. Skin protection not ordinarily required beyond standard issue work clothes.

**Engineering Controls:** Ensure that adequate ventilation is provided. Maintain air concentrations below recommended exposure standards. Avoid generating and inhaling mists. Keep containers closed when not in use.

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## **SECTION 9 IDENTIFICATION**

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### **PHYSICAL DESCRIPTION / CHEMICAL PROPERTIES**

Appearance	Pale yellow liquid
Odour	Citrus type odour
pH:	N/A
Vapour Pressure (kPa @ 20°C):	Data not available
Vapour Density (air = 1)	Data not available
Boiling Point (°C):	Approx 200
Freezing/Melting Point (°C):	N/A

**Product: CITRONELLA OIL**

Solubility in Water	Slightly soluble
Specific Gravity (g/ml @ 15°C):	0.880 - 0.922
Flashpoint (°C):	> 61
Flammability Limits (%):	Data not available
Auto Ignition Temperature (°C):	Data not available
Percent Volatiles	N/A

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**SECTION 10 STABILITY AND REACTIVITY**

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**Chemical Stability:** Stable under normal conditions of use.

**Conditions to Avoid:** Avoid heat, moisture, sparks, open flames and other ignition sources.

**Incompatible Materials:** Oxidising agents, strong acids and alkalis.

**Hazardous Decomposition Products:** May include acrid smoke and fumes such as carbon monoxide, carbon dioxide and other non identified organic compounds may be formed.

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**SECTION 11 TOXICOLOGICAL INFORMATION**

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**HEALTH EFFECTS**

*Acute:*

**Swallowed:** May be harmful.

**Eye:** Will cause serious eye irritation.

**Skin:** May cause skin irritation. A skin sensitiser.

**Inhaled:** Inhalation of vapours or mists may cause irritation to the respiratory system.

**Chronic:** No data.

LD50 Oral – Rat – 7,200 mg/kg

LD50 Dermal – Rabbit – 4,700 mg/kg

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**SECTION 12 ECOLOGICAL INFORMATION**

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**Ecotoxicity:** Avoid release to the environment.

**Mobility:** Adsorbs to soil and has low mobility.

**Persistence/degradability:** Low persistence and readily biodegradable.

**Bioaccumulation:** No data available.

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**SECTION 13 DISPOSAL CONSIDERATIONS**

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**Disposal Methods:** Ensure waste disposal conforms to local waste disposal regulations.

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**SECTION 14 TRANSPORT INFORMATION**

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UN Number:	N/A	Proper Shipping Name:	N/A
Class:	N/A	Subsidiary Risk:	None allocated
Packing Group:	N/A	Hazchem Code:	N/A
Special Precautions for User:	None		

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**SECTION 15 REGULATORY INFORMATION**

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Poisons Schedule : N/A

AICS : Listed

Dangerous Goods Initial Emergency Response Guide (SAA/SNZ HB76:2010) : None

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**SECTION 16 OTHER INFORMATION**

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Further Information may be obtained by contacting Recochem on (07) 3308 5200

The information sourced for the preparation of this document was correct and complete at the time of writing to the best of the writer's knowledge. The document represents the commitment to the company's responsibilities surrounding the supply of this product, undertaken in good faith. This document should

**Product: CITRONELLA OIL**

be taken as a safety guide for the product and its recommended uses but is in no way an absolute authority. Please consult the relevant legislation and regulations governing the use and storage of this type of product.

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