

1. Identification of the substance/preparation and of the company/undertaking

Identification of the product

Product name: **Citronella (*Cymbopogon nardus*)**

Manufacturer/supplier identification

Company: Calmer Solutions Limited®
Hadresham
Woolborough Lane
Outwood
Surrey
RH1 5QR.
Telephone: +44 (0)1342 844658
Telefax: +44 (0)1737 306065

Emergency Telephone No: Please contact your local NHS 111

2. Composition/information on main ingredients

Main ingredients: Essential oil of Citronella

CAS No USA: 8016-26-0
EC Number: 289-753-6
EINECS No: 84775-64-4
TSCA: N/A

Percentage of Hydrocarbon: 30

Concentration: 100%

3. Hazards identification



Main hazards:	Flammable
Health effect - eyes:	May be irritating to eyes
Health effect - skin:	May be irritating to skin
Health effect - ingestion:	Harmful: may cause lung damage if swallowed
Health effect – inhalation:	May be irritating if inhaled

4. First aid measures

First aid - eyes:	Remove any contact lenses. Flush immediately with clean water for at least 15 minutes. OBTAIN MEDICAL ATTENTION.
First aid - skin:	Remove any contaminated clothing or shoes. Wash affected areas thoroughly with soap and water for at least 15 minutes. OBTAIN MEDICAL ATTENTION.
First aid - ingestion:	Wash out mouth with water and give water to dilute provided person is conscious. OBTAIN MEDICAL ATTENTION.
First aid - inhalation:	Remove from exposure. Provide fresh air. If breathing has stopped administer artificial respiration and oxygen if available. OBTAIN MEDICAL ATTENTION.

Advice to physicians - Treat symptomatically

5. Fire fighting measures

Suitable extinguishing media: Use carbon dioxide, foam or dry powder

Special hazards of product: Carbon monoxide and unidentified organic compounds may be formed during combustion.

Protective equipment for fire fighting: If fire severe wear self contained breathing apparatus

6. Accidental release measures

Personal protection: Wear appropriate protective clothing.

Environmental precautions: Remove all sources of ignition. Ensure proper ventilation. Contain spill and recover free product. Report spills to appropriate authorities if required.

Spillage: Soak up spillage with sand or other proprietary material. Transfer used material to a suitable waste container and dispose in accordance with local and national regulations.

7. Handling and storage

Handling: Maintain good occupational and personal hygiene. Avoid inhalation and contact with skin and eyes.

Storage: Store in full, sealed containers protected from heat and sources of ignition.

8. Exposure controls/personal protection

Maintain adequate ventilation

Respirator: None generally required

Hand protection: PVC or rubber gloves

Body protection: Wear overalls. Always wash routinely before breaks, meals and at the end of the work period.

Eye Protection: Use goggles or face shield

Engineering control measures: Engineering methods to prevent or control exposure are preferred. Methods include personnel segregation, mechanical ventilators and control of process conditions.

9. **Physical and chemical properties**

Form: Liquid
Colour: Pale yellow
Odour: Characteristic lemongrass/citrus

Boiling temperature: 217
Density (kg/m³): 869 - 894
Optical Rotation:
Vapour pressure: No data
- Density: No data
Solubility in water: Insoluble

Flash point: 75
Explosion limits: lower: No data
upper: No data
Ignition temperature: No data

10. **Stability and reactivity**

Stability: Stable

Incompatibility: Avoid contact or contamination with strong acids, alkalis or oxidising agents.

Hazardous Combustion & Decomposition: Carbon monoxide and unidentified organic compounds may be formed during combustion. This product presents no significant reactivity hazard. It is stable and will not react violently with water. Hazardous polymerisation will not occur.

11. **Toxicological information**

Acute toxicity: Oral LD50: >5 G(RAT)

12. **Ecological information**

Mobility: No data

Bioaccumulation: No data

Exoticity: No data

13. Disposal considerations

Product disposal: Dispose of in accordance with all applicable local and national regulations, do not dispose through water or drainage systems

Container disposal: Labels should not be removed from containers until they have been cleaned. Contaminated containers should not be treated as household waste. Containers should be cleaned using appropriate methods and then re-used (re-cycled) or disposed of by landfill or incineration as appropriate.

14. Transport information

Description: Essential Oil

UN-No.: 1197 **RID:** 31c

Class: 3.3 **Packing Group:** III

15. Regulatory information

Labelling according to EC directives



R-phrases: (Risk) R65 Harmful: may cause lung damage if swallowed

S-phrases: (Safety) S62 If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label

Einecs Listing: All components are either Einecs listed or classified as polymers

16. Other information

The information and recommendations contained in this data sheet are believed to be accurate and represent the best information currently available to us. No warranty, guarantee or representation is made by Calmer Solutions Limited[®] as to the correctness or sufficiency of the information and recommendations in this data sheet, nor can it be assumed that all possible safety measures are contained in this data sheet or that additional measures may not be required under varying conditions and circumstances.

Revision No.: 2
Revision Date: Tuesday, 19 August 2014
Date of Print: Wednesday, 17 September 2014

Please ensure that this Safety Data Sheet is passed to the appropriate person(s) in your company, who is (are) capable of acting on the information.