



SAFETY DATA SHEET (SDS)

Version 2.0

Revision Date : March 4, 2016

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1. PRODUCT AND COMPANY IDENTIFICATION

Product name : Citronella Essential Oil (Java)

Botanical name : Cymbopogon nardus

INCI name : Cymbopogon nardus (Citronella) Oil

CAS # : 8000-29-1

Country of Origin : Indonesia

Product use : Domestic and Industrial

Supplier : Canwax

Address : 114 Lindgren Rd. W Unit 1B Huntsville, ON P1H 1Y2

Fax :

Telephone number : 705-789-1002

Emergency phone number : (613)-996-6666 CANUTEC 24 HOUR EMERGENCY

GHS Classification
 Aspiration hazard - Category 1.
 Skin Sensitization - Category 1
 Serious eye damage/eye irritation - Category 2B

2. HAZARDS IDENTIFICATION

Emergency Overview

WHMIS Classification

D2B Materials Causing Other Toxic Effects

Hazardous to the aquatic environment - Chronic Category 2 **GHS Label**

elements, including precautionary statements



Signal : Warning

Hazard statement(s)

H315 Causes skin irritation.

H317 May cause an allergic skin reaction H318 Causes serious eye damage.

H411 Toxic to aquatic life with long lasting effects.

Precautionary statement(s)

- P273 Avoid release to the environment.
- P280 Wear protective gloves/protective clothing/eye protection/face protection.
- P302 + 352 IF ON SKIN: Wash with plenty of soap and water.
- P305 + 351 + 338 IF IN EYES: Rinse cautiously with water for several minutes.
Remove contact lenses if present and easy to do – continue rinsing.
- P333 + 313 If skin irritation occurs: Get medical advice/attention.
- P310 Immediately call a POISON CENTER or doctor/physician.

HMIS Classification & Potential Health Effects

HMIS Ratings

Health : 2, Flammability : 2, Physical Hazard : 1

Inhalation

May be harmful if inhaled. Causes respiratory tract irritation

Skin

May be harmful if absorbed through skin. Causes skin irritation.

Eyes

Causes serious eye damage.

Ingestion

May be harmful if swallowed.

3. COMPOSITION / INFORMATION INGREDIENTS

Product Name	CAS NO	EC NO	Concentration
Citronellal			32 - 45%
Citronellol			10 - 15%
Geraniol			12 - 30%
Citronellyl Acetate			1 - 4%
Geranyl Acetate			3 - 8%

4. FIRST AID MEASURES

Eye contact

Immediately flush eyes with plenty of cool water for at least 15 minutes. Get medical attention if irritation occurs.

Skin contact

Remove contaminated clothing. Wash area with soap and water. If irritation occurs, get medical attention.

Inhalation

If inhaled, removed to fresh air. Get medical attention if symptoms appear.

Ingestion

Seek medical attention or contact local poison control center.

5. FIRE FIGHTING MEASURES

Suitable extinguishing media

Foam. Dry Powder. Carbon dioxide.

Unsuitable extinguishing media Water spray, water jet.

Special protective equipment and precautions for fire-fighters

Wear proper protective equipment. Exercise caution when fighting any chemical fire. Use water spray or fog for cooling exposed containers.

Special hazards arising from the substance or its combustible products

Hazardous decomposition products may be formed at extreme heat or if burned.

Resulting gases Carbon oxides.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures.

Equip clean crew with proper protection. Respiratory protection equipment may be necessary.

Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if product enters sewers or public waters.

Methods and materials for containment and cleaning up

Clean up any spills as soon as possible, using an absorbent material to collect it. Use suitable disposal containers.

7. HANDLING AND STORAGE

Precautions for safe handling

Measures should be taken to prevent materials from being splashed into the eyes or on the skin.

Wear eye shields and protective clothing. Smoking should not be permitted in work areas. Provide suitable air extraction ventilation in the work areas. Vapors may form explosive mixtures with air. Keep material away from sources of ignition (e.g. hot surfaces, sparks, flame and static discharges).

Conditions for safe storage, including any incompatibilities

To be stored in tightly sealed and preferably full containers in cool, dry and ventilated area. Protect from heat/overheating and light sources.

Keep in glass, suitable plastic, aluminum or lacquer-lined containers.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Eyes

Use tightly sealed goggles.

Skin

If skin contact or contamination of clothing is likely, protective clothing should be worn. Use protective gloves.

Respiratory

In case of insufficient ventilation, wear suitable respiratory equipment.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	:	Pale yellow to yellow liquid.
Odor	:	Fresh sweet odor.
Flash point	:	80 °C
Relative density	:	0.875 – 0.893 @ 25°C
Solubility (ies)	:	Insoluble in water. 1 vol clear soluble in 2ml of 80% ethanol.
Refractive index	:	1.466 – 1.474 @ 20°C
Optical rotation	:	-7° to -0° @ 25°C

10. STABILITY AND REACTIVITY

Reactivity

This material presents no significant reactivity hazard.

Chemical stability Chemically stable.

Possibility of hazardous reactions

Hazardous polymerization will not occur.

Conditions to avoid

Avoid sparks, flame and other heat sources.

Incompatible materials Strong oxidizing agents.

Hazardous decomposition products Carbon Oxides.

11. TOXICOLOGICAL INFORMATION

Carcinogenicity

None of the components of this material are listed as a carcinogen.

Chronic toxicity

May cause allergic reactions on skin.

Reproductive toxicity

No adverse effects on reproduction are known.

Inhalation

Inhalation of high concentrations of vapor may result in irritation of eyes, nose and throat, headache, nausea, and dizziness.

Skin contact

Adverse skin effects should be prevented by normal care and personal hygiene.

Eye contact

Possible irritation should be prevented by wearing safety glasses.

12. ECOLOGICAL INFORMATION**Ecotoxicity**

Toxic to aquatic organisms, may cause long-term adverse effects environment. Avoid any pollution of ground, surface or underground water.

Persistence and degradability Generally biodegradable.

Bio - accumulative potential

Unlikely to bioaccumulate. Contaminated water must be cleared before entering sewerage.

Mobility in soil

Very low water solubility and will form a surface film.

Other adverse effects Not available.

13. DISPOSAL CONSIDERATION

Dispose of product in accordance with local, state or provincial and federal regulations. Check with local municipal authority to ensure compliance.

14. TRANSPORT INFORMATION**US DOT Shipping Description (Land)**

NA-Number: 1993

Proper shipping name

Combustible liquid, n.o.s. (Geraniol, Citronellal)

Class

None

Packaging group

III

IMO-IMDG Shipping Description (Sea)

Not regulated

IATA Shipping Description (Air)

Not regulated

15. REGULATORY INFORMATION

WHMIS Classification

Class D2B: Materials Causing Other Toxic Effects - Toxic Material.

DSL / NDSL

Not available.

TSCA

Not available.

HMIS (USA)

Health : 2, Flammability : 2, Physical Hazard : 1

GHS Hazard Statements See

Section 2.

GHS Precautionary Statements See

Section 2.

16. OTHER INFORMATION

Revision date : March 4, 2016