

MATERIAL SAFETY DATA SHEET

Agent: C & A Service Inc.
Manufacturer: CITRUS AND ALLIED ESSENCES LTD.
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Emergency Phone Number Chemtrec: 1-800-424-9300

Section1.	Chemical Identification
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CITRONELLAL 85/90%
Product Number: C:A52307P

Section 2.	Composition/Information of Ingredients
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CAS#:	106-23-0
Fema#:	2307
Molecular_:	NA
Chemical Name:	6-Octenal, 3, 7-dimethyl
Synonyms:	None

Section 3.	First-Aid Measures
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Eye Contact Aid:	Flush immediately with cold clean water for at least 15 minutes, contact physician immediately.
Skin Contact Aid:	Thoroughly wash the affected area with soap and water. Flush with large quantities of water. If irritation persists, call a physician.
Inhalation Aid:	Remove individual to fresh air, contact physician if necessary.
Ingestion Aid:	Administer water or milk to dilute. Contact a physician or local poison control center immediately.

Section 4.	Fire Fighting Measures
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Extinguishing Media:	CO2; Foam; Dry Chemical
Special Fire Fighting Procedures:	Wear protective clothing to prevent contact with skin and eyes.
Unusual Fire and Explosive Hazards:	Not Established

Section 5.	Accidental Release Measures
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Procedure: Remove any source of flame or sparks. If in a confined area, NIOSH approved respiratory protection may be required. Remove individuals from if they do not have respiratory/dust protection. Spray material with water to prevent dusting and remove to an approved disposal container. Follow federal, State and Local procedures for cleaning up of powder. Dispose of in accordance with current laws and regulations.

Section 6.	Handling and Storage
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Storage/Handling:	Store in tight full containers in a cool dry place away from light.
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Section 7.	Exposure Controls/Personal Protection
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Eyes:	The use of goggles or a face shield is recommended.
Respiratory:	Respiratory protection is normally not required in well ventilated areas. However, NOISH approved respiratory protection may be required when the material is rated toxic by inhalation or if the material is to be used in a confined area.

Other Protective Devices: Chemical resistant gloves are recommended (i.e. Nitrile gloves).
Ventilation: Ventilation meeting ACGIH Standards should be employed.
Work/Hygenic Practices: Use good personal hygiene practices; Limit exposure to product whenever possible.
Wash any contaminated clothing or shoes before each use.

Section 8. Physical and Chemical Properties

Appearance_and_Odor: Colorless to yellow liquid with intense, lemon citronella rose odor.

Hazardous Ingredients: None Available

Boiling Point (Deg C): NA

Melting Point (Deg C): NA

Vapor Density: NA

Vapor Pressure: NA

Specific Gravity (@ 20 C): 0.8530 to 0.8630

Specific Gravity (@ 25 C): 0.8500 to 0.8600

Refractive Index (@ 20 C): 1.4460 to 1.4560

Solubility:

Water: Insoluble

Fat: Not Available

Flash Point:

165 F (Tag Closed Cup)

74 C (Tag Closed Cup)

Flammability (solid,gas): NA

Autoflammability: NA

Explosive Properties: NA

Oxidizing Properties: NA

Section 9. Stability and Reactivity

Hazardous_Polymerization: Will not occur

Hazardous Decomposition Products: None

Materials and/or Conditions to avoid: None

Stability: stable

Section 10. Toxicological Information

Threshold Limit Value (ACGIH TLV): None Established

Threshold Limit Value (OSHA PEL): None Established

Carcinogenicity:

NTP Monograph: None Established

IARC Monograph: None Established

Acute Toxicity Data:

Oral LD50: None Established

Dermal LD50: None Established

Inhalation LC50: None Established

Health Hazards (Acute and Chronic):

Ingestion of large quantities: None Established

Inhalation: None Established

Skin Contact: Liquid May be Irritating

Eye Contact: Liquid May be Irritating

Note:

The above effects are based on evaluation of individual components, the relevancy to the mixture as a whole or to humans is unknown.

Other Effects: None Established

Section 11. Ecological Information

Biodegradability: Not Determined
Aquatic Toxicity: Not Determined
Bioaccumulation Potential: Not Determined

Section 12. Transport Information

Proper Shipping Name: NA

UN#: NA
UN Pkg Group: NA
ERG#: NA

Air/Steamer Transport Information:

Class

Air NA
Steamer: NA
Required Labels: NA

Section 13. Other Information

Hazardous Materials Identification System

Health: 1	Flammability: 2	Reactivity: 0	Personal Protection: B
4-Extreme	3-High	2-Moderate	1-Slight
			0-No Significant Hazard

Section 14. Regulatory

R-Phase: 38-43-51/53
S-Phase: 24-37-61

Section 15. Conclusion

The information contained herein is based on data considered accurate and reliable. However, the data is provided without any warranty, expressed or implied regarding its correctness or accuracy. It is the users responsibility both to determine safe conditions for use of this product, and to assume liability for loss, injury, damage, or expense resulting from the improper use of this product.

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