

# MATERIAL SAFETY DATA SHEET

**Agent:** C & A Service Inc.  
**Manufacturer:** CITRUS AND ALLIED ESSENCES LTD.  
**Address:** 3000 MARCUS AVENUE  
SUITE 3E11  
LAKE SUCCESS, NY 11042  
**Phone:** 516-354-1200  
**Emergency Phone Number Chemtrec:** 1-800-424-9300

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**Section 1. Chemical Identification**

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CODE 17027 EBU  
Product Number: C:A19086P

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**Section 2. Composition/Information of Ingredients**

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**CAS#:** 105-54-4  
**Fema#:** 2427  
**Molecular\_:** NA  
**Chemical Name:** NA  
**Synonyms:** NONE

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**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.

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**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

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**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.

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**Section 6. Handling and Storage**

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**Storage/Handling:** Store in tight full containers in a cool dry place away from light. Before opening and handling this flavor/fragrance, consult your workplace safety officer and MSDS.

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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.

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**Section 8. Physical and Chemical Properties**

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**LABEL**

**Hazardous Ingredients:** None Available  
**Boiling Point (Deg C):** NA **Melting Point (Deg C):** NA  
**Vapor Density:** NA **Vapor Pressure:** NA  
**Specific Gravity (@ 20 C):** 0.8730 to 0.8800  
**Specific Gravity (@ 25 C):** 0.8700 to 0.8770  
**Refractive Index (@ 20 C):** 1.3910 to 1.3940  
**Solubility:**  
**Water:** Insoluble  
**Fat:** Not Available

**Flash Point:**  
78 F (Tag Closed Cup)  
26 C (Tag Closed Cup)

**Flammability (solid,gas):** NA  
**Autoflammability:** NA  
**Explosive Properties:** NA  
**Oxidizing Properties:** NA

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**Section 9. Stability and Reactivity**

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**Hazardous\_Polymerization:** Will not occur  
**Hazardous Decomposition Products:** None  
**Materials and/or Conditions to avoid:** None  
**Stability:** stable

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**Section 10. Toxicological Information**

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**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. Handling of this flavor/fragrance that results in

**Other Effects:** None Established

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<b>Section 11.</b>	<b>Ecological Information</b>
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<b>Biodegradability:</b>	Not Determined
<b>Aquatic Toxicity:</b>	Not Determined
<b>Bioaccumulation Potential:</b>	Not Determined

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<b>Section 12.</b>	<b>Transport Information</b>
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<b>Proper Shipping Name:</b>	ETHYL BUTYRATE
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<b>UN#:</b>	1180
<b>UN Pkg Group:</b>	III
<b>ERG#:</b>	129

**Air/Steamer Transport Information:**

**Class**

<b>Air</b>	3
<b>Steamer:</b>	3

**Required Labels:**

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<b>Section 13.</b>	<b>Other Information</b>
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**Hazardous Materials Identification System**

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

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<b>Section 14.</b>	<b>Regulatory</b>
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<b>R-Phase:</b>	10
<b>S-Phase:</b>	NA

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<b>Section 15.</b>	<b>Conclusion</b>
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**Printed:** 17-Sep-2007  
**Review Date:** 1/13/06

**Product Number:** C:A19086P

**Revision Date:** 3/20/2002