

according to Regulation (EC) No. 1907/2006 as amended by (EC) No. 1272/2008

## Section 1. Identification of the Substance/Mixture and of the Company/Undertaking

- 1.1 Product Code:** 00063  
**Product Name:** Jamaican Rum Flavor  
**Trade Name:** Jamaican Rum Flavor
- 1.2 Relevant identified uses of the substance or mixture and uses advised against:**
- 1.3 Details of the Supplier of the Safety Data Sheet:**  
**Company Name:** Perfumer's Apprentice  
170 Technology Circle  
Scotts Valley, CA 95066
- 1.4 Emergency telephone number:**

## Section 2. Hazards Identification

- 2.1 Classification of the Substance or Mixture:**
- 2.1.1 Classification according to Regulation (EC) No 1272/2008 [CLP]:**
- 2.1.2 Classification according to Directive 1999/45/EC:**  
**Xi: Irritant**  
**Risk Phrases: R10, R36/37/38**  
**For full text of R- phrases: see SECTION 15.**
- 2.2 Label Elements:**
- 2.2.1 Labeling according to Regulation (EC) No 1272/2008 [CLP]:**
- GHS Signal Word:**  
**GHS Hazard Phrases:**  
**GHS Precaution Phrases:**  
**GHS Response Phrases:**  
**GHS Storage and Disposal Phrases:**
- 2.2.2 Labeling according to Directive 1999/45/EC:**



**Xi**

- 2.3 Adverse Human Health** Chronic: Effects may be delayed.  
**Effects and Symptoms:**
- 2.3.1 Inhalation:** Vapors may cause dizziness or suffocation. Vapor or mist is irritating to the mucous membranes and upper respiratory tract. Causes respiratory tract irritation. The toxicological properties of this substance have not been fully investigated. Inhalation at high concentrations may cause CNS depression and asphyxiation.
- 2.3.2 Skin Contact:** Causes skin irritation. May cause irritation and dermatitis. May cause cyanosis of the extremities.
- 2.3.3 Eye Contact:** Vapors may cause eye irritation. Causes eye irritation.
- 2.3.4 Ingestion:** May cause irritation of the digestive tract. May cause gastrointestinal irritation with nausea, vomiting and diarrhea. The toxicological properties of this substance have not been fully investigated.

### Section 3. Composition/Information on Ingredients

CAS #	Hazardous Components (Chemical Name)/ REACH Registration No.	Concentration	EC No./ EC Index No.	Risk Phrases/ GHS Classification
105-54-4	Ethyl butyrate	>=10.0 %	203-306-4 NA	R10
106-30-9	Ethyl heptanoate	>=10.0 %	203-382-9 NA	Xi; R36/37/38

### Section 4. First Aid Measures

**4.1 Description of First Aid Measures:**

- In Case of Inhalation:** Remove from exposure and move to fresh air immediately. If breathing is difficult, give oxygen. Get medical aid.
- In Case of Skin Contact:** Get medical aid. Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse.
- In Case of Eye Contact:** Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid immediately. Get medical aid.
- In Case of Ingestion:** If victim is conscious and alert, give 2-4 cupfuls of milk or water. Never give anything by mouth to an unconscious person. Get medical aid immediately. Get medical aid. If conscious and alert, rinse mouth and drink 2-4 cupfuls of milk or water. Wash mouth out with water.
- Note for the Doctor:** Treat symptomatically and supportively.

### Section 5. Fire Fighting Measures

- 5.1 Suitable Extinguishing Media:** For small fires, use dry chemical, carbon dioxide, water spray or alcohol-resistant foam. For large fires, use water spray, fog, or alcohol-resistant foam. Use water spray to cool fire-exposed containers. Water may be ineffective. Do NOT use straight streams of water. Use water spray, dry chemical, carbon dioxide, or appropriate foam. Use agent most appropriate to extinguish fire.
- 5.2 Flammable Properties and Hazards:**  
Flash Pt:  
Explosive Limits: LEL: UEL:  
Autoignition Pt:
- 5.3 Fire Fighting Instructions:** As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. Vapors may form explosive mixtures with air. Vapors can travel to a source of ignition and flash back. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion. Will burn if involved in a fire. Use water spray to keep fire-exposed containers cool. Containers may explode in the heat of a fire. Combustible liquid. Vapors may be heavier than air. They can spread along the ground and collect in low or confined areas. Containers may explode when heated.

## Section 6. Accidental Release Measures

**6.3 Methods and Material For Containment and Cleaning Up:** Use proper personal protective equipment as indicated in Section 8.  
Spills/Leaks: Clean up spills immediately, observing precautions in the Protective Equipment section. Sweep up or absorb material, then place into a suitable clean, dry, closed container for disposal. Remove all sources of ignition. Use a spark-proof tool. Provide ventilation. A vapor suppressing foam may be used to reduce vapors. Absorb spill with inert material (e.g. vermiculite, sand or earth), then place in suitable container. Avoid runoff into storm sewers and ditches which lead to waterways.

## Section 7. Handling and Storage

**7.1 Precautions To Be Taken in Handling:** Ground and bond containers when transferring material. Use spark-proof tools and explosion proof equipment. Avoid contact with eyes, skin, and clothing. Empty containers retain product residue, (liquid and/or vapor), and can be dangerous. Keep container tightly closed. Keep away from heat, sparks and flame. Avoid ingestion and inhalation. Use with adequate ventilation. Wash clothing before reuse. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose empty containers to heat, sparks or open flames. Wash thoroughly after handling.

**7.2 Precautions To Be Taken in Storing:** Keep away from sources of ignition. Store in a tightly closed container. Store in a cool, dry, well-ventilated area away from incompatible substances. Flammables-area. Keep away from heat, sparks and flame.

## Section 8. Exposure Controls/Personal Protection

**8.1 Exposure Parameters:**

CAS #	Partial Chemical Name	Britain EH40	France VL	Europe
105-54-4	Ethyl butyrate			
106-30-9	Ethyl heptanoate			
CAS #	Partial Chemical Name	OSHA TWA	ACGIH TWA	Other Limits
105-54-4	Ethyl butyrate			
106-30-9	Ethyl heptanoate			

**8.2 Exposure Controls:**

**8.2.1 Engineering Controls (Ventilation etc.):** Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use adequate ventilation to keep airborne concentrations low.

**8.2.2 Personal protection equipment:**

**Eye Protection:** Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.

**Protective Gloves:** Wear appropriate protective gloves to prevent skin exposure.

**Other Protective Clothing:** Wear appropriate protective clothing to prevent skin exposure.

**Respiratory Equipment (Specify Type):** A respiratory protection program that meets OSHA's 29 CFR 1910.134 and ANSI Z88.2 requirements or European Standard EN 149 must be followed whenever workplace conditions warrant respirator use.

## Section 9. Physical and Chemical Properties

### 9.1 Information on Basic Physical and Chemical Properties

**Physical States:** [ ] Gas [X] Liquid [ ] Solid

**Appearance and Odor:** Transparent light brown liquid.  
Rum taste and aroma

**Melting Point:**

**Boiling Point:**

**Flash Pt:**

**Evaporation Rate:**

**Explosive Limits:** LEL: UEL:

**Vapor Pressure (vs. Air or mm Hg):**

**Vapor Density (vs. Air = 1):**

**Specific Gravity (Water = 1):**

**Solubility in Water:**

**Autoignition Pt:**

### 9.2 Other Information

**Percent Volatile:**

## Section 10. Stability and Reactivity

10.1 **Reactivity:**

10.2 **Stability:** Unstable [ ] Stable [X]

10.3 **Conditions To Avoid - Hazardous Reactions:**

**Possibility of Hazardous Reactions:** Will occur [ ] Will not occur [X]

10.4 **Conditions To Avoid - Instability:** Incompatible materials, ignition sources, Excess heat.

10.5 **Incompatibility - Materials To Avoid:** Strong oxidizing agents, acids, Bases, Heat.

10.6 **Hazardous Decomposition Or Byproducts:** Carbon monoxide, irritating and toxic fumes and gases.

### Section 11. Toxicological Information

**11.1 Information on Toxicological Effects:** Epidemiology: No information available.  
Teratogenicity: No information available.  
Reproductive Effects: Mutagenicity: Neurotoxicity: Other Studies: No information found.

**Carcinogenicity/Other Information:** CAS# 105-54-4: Not listed by ACGIH, IARC, NTP, or CA Prop 65. CAS# 106-30-9: Not listed by ACGIH, IARC, NTP, or CA Prop 65.

**Carcinogenicity:** NTP? No      IARC Monographs? No      OSHA Regulated? No

### Section 12. Ecological Information

**12.1 Toxicity:** Environmental: No information available.  
Physical: No information available.

### Section 13. Disposal Considerations

**13.1 Waste Disposal Method:** Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Parts 261. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.  
RCRA P-Series: None listed.  
RCRA U-Series: None listed.

### Section 14. Transport Information

**14.1 LAND TRANSPORT (US DOT):**

**DOT Proper Shipping Name:** Ethyl butyrate. mixture.  
**DOT Hazard Class:** 3                      FLAMMABLE LIQUID  
**UN/NA Number:** UN1180                      **Packing Group:** III

**14.1 LAND TRANSPORT (Canadian TDG):**

**TDG Shipping Name:** ETHYL BUTYRATE. No information available.

**14.1 LAND TRANSPORT (European ADR/RID):**

**ADR/RID Shipping Name:**  
**UN Number:** 1180                      **Packing Group:** III  
**Hazard Class:** 3 - FLAMMABLE LIQUID

**14.3 AIR TRANSPORT (ICAO/IATA):**

**ICAO/IATA Shipping Name:** Ethyl butyrate. mixture.

### Section 15. Regulatory Information

**European Community Hazard Symbol codes:**

**European Community Risk and Safety Phrases:**

R10                      Flammable.  
R36/37/38              Irritating to eyes, respiratory system and skin.  
S16                      Keep away from sources of ignition.  
S33                      Take precautionary measures against static discharges.  
S9                        Keep container in a well-ventilated place.  
S26                      In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
S37/39                  Wear suitable gloves and eye/face protection.  
S45                      In case of accident or if you feel unwell, seek medical advice immediately (show the label)

S28A whenever possible.)  
After contact with skin, wash immediately with plenty of water.

## Section 16. Other Information

Revision Date: 03/25/2014

Additional Information About  
This Product: