

## 1. Product and Company Identification

**Product Code:** 309457  
**Product Name:** Green Apple Flavor  
**Trade Name:** Green Apple Flavor  
**Company Name:** Perfumer's Apprentice  
170 Technology Circle  
Scotts Valley, CA 95066  
**Phone Number:** (831)316-7137  
**Web site address:** Perfumersapprentice.com  
**Emergency Contact:** Chem-Tel Phone (800)255-3924  
01 (813)248-0585  
**Information:** Contract #: MIS6760377

## 2. Hazards Identification

**Skin Corrosion/Irritation, Category 3**  
**Flammable Liquids, Category 3**



**GHS Signal Word:** **Warning**

**GHS Hazard Phrases:** Flammable liquid and vapor.  
Causes mild skin irritation.

**GHS Precaution Phrases:** Keep away from {heat/sparks/open flames/hot surfaces}. - No smoking.  
Keep container tightly closed.  
Use explosion-proof electrical/ventilating/lighting/{.../} equipment.  
Use only non-sparking tools.  
Take precautionary measures against static discharge.  
Wear {protective gloves/protective clothing/eye protection/face protection}.

**GHS Response Phrases:** IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower.  
If skin irritation occurs, get medical advice/attention.

**GHS Storage and Disposal Phrases:** Store in cool/well-ventilated place.  
Dispose of contents/container to {...}.

**Potential Health Effects (Acute and Chronic):**

**Inhalation:** May be harmful if inhaled.

**Skin Contact:** May cause skin irritation.

**Eye Contact:** May cause eye irritation.

**Ingestion:** May be harmful if swallowed.

## 3. Composition/Information on Ingredients

CAS #	Hazardous Components (Chemical Name)	Concentration
57-55-6	Propylene glycol	84.0 -94.0 %
66-25-1	Hexanal	1.0 -5.0 %
659-70-1	3 - Methylbutyl isovalerate	1.0 -5.0 %
141-78-6	Acetic acid, ethyl ester	1.0 -5.0 %
142-92-7	Hexyl acetate	1.0 -5.0 %

### 4. First Aid Measures

**Emergency and First Aid Procedures:**

**In Case of Inhalation:** If inhaled, remove to fresh air. If breathing is difficult, give oxygen.

**In Case of Skin Contact:** In case of contact, flush skin with plenty of water. Get medical aid if irritation develops and persists. Wash clothing before reuse.

**In Case of Eye Contact:** In case of contact, immediately flush eyes with plenty of water for at least 15 minutes.

**In Case of Ingestion:** Rinse mouth with water.

**Signs and Symptoms Of Exposure:** To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

### 5. Fire Fighting Measures

**Flash Pt:** 42.22 C Method Used: Closed Cup

**Explosive Limits:** LEL: No data. UEL: No data.

**Autoignition Pt:** No data.

**Suitable Extinguishing Media:** Use water spray, dry chemical, carbon dioxide, or alcohol-resistant foam.

**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.

**Flammable Properties and Hazards:** No data available.

**Hazardous Combustion Products:** No data available.

### 6. Accidental Release Measures

**Protective Precautions, Protective Equipment and Emergency Procedures:** Ensure adequate ventilation.

**Steps To Be Taken In Case Material Is Released Or Spilled:** Dike to collect large liquid spills.

### 7. Handling and Storage

**Precautions To Be Taken in Handling:** Handle in accordance with good industrial hygiene and safety practice.

**Precautions To Be Taken in Storing:** Keep container tightly closed in a dry and well-ventilated place.

### 8. Exposure Controls/Personal Protection

CAS #	Partial Chemical Name	OSHA TWA	ACGIH TWA	Other Limits
57-55-6	Propylene glycol	No data.	No data.	No data.
66-25-1	Hexanal	No data.	No data.	No data.
659-70-1	3 - Methylbutyl isovalerate	No data.	No data.	No data.
141-78-6	Acetic acid, ethyl ester	PEL: 400 ppm	TLV: 400 ppm	No data.
142-92-7	Hexyl acetate	No data.	No data.	No data.

# SAFETY DATA SHEET

## Green Apple Flavor

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<b>Respiratory Equipment (Specify Type):</b>	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.
<b>Eye Protection:</b>	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.
<b>Protective Gloves:</b>	Wear appropriate protective gloves to prevent skin exposure.
<b>Other Protective Clothing:</b>	Wear appropriate protective clothing to prevent skin exposure.
<b>Engineering Controls (Ventilation etc.):</b>	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.
<b>Work/Hygienic/Maintenance Practices:</b>	Handle in accordance with good industrial hygiene and safety practice.

### 9. Physical and Chemical Properties

<b>Physical States:</b>	<input type="checkbox"/> Gas	<input checked="" type="checkbox"/> Liquid	<input type="checkbox"/> Solid
<b>Appearance and Odor:</b>	Clear Colorless. Green apple taste and aroma.		
<b>pH:</b>	No data.		
<b>Melting Point:</b>	No data.		
<b>Boiling Point:</b>	No data.		
<b>Flash Pt:</b>	42.22 C Method Used: Closed Cup		
<b>Evaporation Rate:</b>	No data.		
<b>Flammability (solid, gas):</b>	No data available.		
<b>Explosive Limits:</b>	LEL: No data.		UEL: No data.
<b>Vapor Pressure (vs. Air or mm Hg):</b>	No data.		
<b>Vapor Density (vs. Air = 1):</b>	No data.		
<b>Specific Gravity (Water = 1):</b>	1.0279 at 22.0 C		
<b>Solubility in Water:</b>	No data.		
<b>Octanol/Water Partition Coefficient:</b>	No data.		
<b>Autoignition Pt:</b>	No data.		
<b>Decomposition Temperature:</b>	No data.		
<b>Viscosity:</b>	No data.		

### 10. Stability and Reactivity

<b>Stability:</b>	Unstable <input type="checkbox"/>	Stable <input checked="" type="checkbox"/>
<b>Conditions To Avoid - Instability:</b>	No data available.	
<b>Incompatibility - Materials To Avoid:</b>	No data available.	
<b>Hazardous Decomposition or Byproducts:</b>	No data available.	
<b>Possibility of Hazardous Reactions:</b>	Will occur <input type="checkbox"/>	Will not occur <input checked="" type="checkbox"/>
<b>Conditions To Avoid - Hazardous Reactions:</b>	No data available.	

## 11. Toxicological Information

- Toxicological Information:** This mixture has not been subjected to toxicological testing but has been blended from materials with established toxicological bibliographies. In view of the difficulty of using current standard toxicological evaluation techniques to predict potential hazards to susceptible individuals or arising from unforeseeable potentiation, this preparation should be considered and handled as if it displayed health hazards and consequently treated with all possible precaution.
- Sensitization:** No data available.
- Carcinogenicity:** NTP? No      IARC Monographs? No      OSHA Regulated? No

## 12. Ecological Information

- General Ecological Information:** This mixture as a whole has not been subjected to ecotoxicological testing. In view of the difficulty of using current standard ecotoxicological evaluation techniques to predict the impact of particular modes of release on vulnerable or localized parts of the ecosystem, this preparation should be considered and handled as if it displayed potential environmental hazards, and treated in consequence with all possible precaution.

## 13. Disposal Considerations

- Waste Disposal Method:** This material, as supplied, is not a hazardous waste according to Federal regulations (40 CFR 261). This material could become a hazardous waste if it is mixed with or otherwise comes in contact with a hazardous waste, if chemical additions are made to this material, or if the material is processed or otherwise altered. Consult 40 CFR 261 to determine whether the altered material is a hazardous waste. Consult the appropriate state, regional, or local regulations for additional requirements.

## 14. Transport Information

- GHS Classification:** Skin Corrosion/Irritation, Category 3 - Warning! Causes mild skin irritation  
Flammable Liquids, Category 3 - Warning! Flammable liquid and vapor

### LAND TRANSPORT (US DOT):

**DOT Proper Shipping Name:** This product has been reclassified as non-flammable in accordance with DOT CFR 49 [§173.120(d)].

**DOT Hazard Class:**

**UN/NA Number:**

### LAND TRANSPORT (Canadian TDG):

**TDG Shipping Name:** Not Applicable.

### LAND TRANSPORT (European ADR/RID):

**ADR/RID Shipping Name:** Not Applicable.

**UN Number:**

**Hazard Class:**

### MARINE TRANSPORT (IMDG/IMO):

**IMDG/IMO Shipping Name:** Not Applicable.

### AIR TRANSPORT (ICAO/IATA):

**ICAO/IATA Shipping Name:** This product has been reclassified as non-flammable in accordance with DGR 3.3.1.3.

## 15. Regulatory Information

### EPA SARA (Superfund Amendments and Reauthorization Act of 1986) Lists

CAS #	Hazardous Components (Chemical Name)	S. 302 (EHS)	S. 304 RQ	S. 313 (TRI)
57-55-6	Propylene glycol	No	No	No
66-25-1	Hexanal	No	No	No
659-70-1	3 - Methylbutyl isovalerate	No	No	No
141-78-6	Acetic acid, ethyl ester	No	Yes 5000 LB	No
142-92-7	Hexyl acetate	No	No	No

**This material meets the EPA**  Yes  No Acute (immediate) Health Hazard  
**'Hazard Categories' defined**  Yes  No Chronic (delayed) Health Hazard  
**for SARA Title III Sections**  Yes  No Fire Hazard  
**311/312 as indicated:**  Yes  No Sudden Release of Pressure Hazard  
 Yes  No Reactive Hazard

CAS #	Hazardous Components (Chemical Name)	Other US EPA or State Lists
57-55-6	Propylene glycol	CA PROP.65: No
66-25-1	Hexanal	CA PROP.65: No
659-70-1	3 - Methylbutyl isovalerate	CA PROP.65: No
141-78-6	Acetic acid, ethyl ester	CA PROP.65: No
142-92-7	Hexyl acetate	CA PROP.65: No

CAS #	Hazardous Components (Chemical Name)	International Regulatory Lists
57-55-6	Propylene glycol	REACH: Yes - (R), (P)
66-25-1	Hexanal	REACH: Yes - (R), (P)
659-70-1	3 - Methylbutyl isovalerate	REACH: Yes - (P)
141-78-6	Acetic acid, ethyl ester	REACH: Yes - (R), (P)
142-92-7	Hexyl acetate	REACH: Yes - (R), (P)

## 16. Other Information

**Revision Date:** 03/26/2014

**Additional Information About This Product:** This product contains no added diacetyl as an ingredient. However, because diacetyl can occur in small amounts as an artifact of the production process in other ingredients, "No Added Diacetyl" products may not be "Diacetyl Free", as trace amounts may be present.

**Company Policy or Disclaimer:** The information provided on this SDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any other process, unless specified in the text.