



## 1. Product and Company Identification

**Product Code:** 00249  
**Product Name:** DX Hazelnut Flavor  
**Trade Name:** DX Hazelnut Flavor  
**Company Name:** Perfumer's Apprentice  
170 Technology Circle  
Scotts Valley, CA 95066  
**Phone Number:** (831)316-7137

## 2. Hazards Identification

**GHS Signal Word:**  
**GHS Hazard Phrases:** No phrases apply.  
**GHS Precaution Phrases:** No phrases apply.  
**GHS Response Phrases:** No phrases apply.  
**GHS Storage and Disposal Phrases:** No phrases apply.

### 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	>=10.0 %
4940-11-8	2 - Ethyl - 3 - hydroxy - 4 - pyrone	1.0 -10.0 %
77-93-0	Triethyl citrate	1.0 -10.0 %
121-33-5	Benzaldehyde, 4-Hydroxy-3-methoxy-	1.0 -10.0 %
121-32-4	Benzaldehyde, 3-ethoxy-4-hydroxy-	1.0 -10.0 %
104-55-2	Cinnamaldehyde	< 1.0 %

## 4. First Aid Measures

### Emergency and First Aid Procedures:

**In Case of Inhalation:** If inhaled, remove to fresh air.

**In Case of Skin Contact:** Wash off with soap and plenty of water.

**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:** Wash out mouth with water provided person is conscious.

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

**Note to Physician:** Treat symptomatically.

## 5. Fire Fighting Measures

**Flash Pt:** No data.

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

**Autoignition Pt:** No data.

**Suitable Extinguishing Media:** In case of fire, use water, dry chemical, chemical foam, 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.

## 6. Accidental Release Measures

**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:** Store in a cool, dry 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.
4940-11-8	2 - Ethyl - 3 - hydroxy - 4 - pyrone	No data.	No data.	No data.
77-93-0	Triethyl citrate	No data.	No data.	No data.
121-33-5	Benzaldehyde, 4-Hydroxy-3-methoxy-	No data.	No data.	No data.
121-32-4	Benzaldehyde, 3-ethoxy-4-hydroxy-	No data.	No data.	No data.
104-55-2	Cinnamaldehyde	No data.	No data.	No data.

**Respiratory Equipment (Specify Type):** If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

**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.

**Engineering Controls (Ventilation etc.):** Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

**Work/Hygienic/Maintenance Practices:** Handle in accordance with good industrial hygiene and safety practice.

## 9. Physical and Chemical Properties

<b>Physical States:</b>	[ ] Gas [ X ] Liquid [ ] Solid	
<b>Appearance and Odor:</b>	Transparent Colorless. Hazelnut taste and aroma.	
<b>Melting Point:</b>	No data.	
<b>Boiling Point:</b>	No data.	
<b>Autoignition Pt:</b>	No data.	
<b>Flash Pt:</b>	No data.	
<b>Explosive Limits:</b>	LEL: No data.	UEL: No data.
<b>Specific Gravity (Water = 1):</b>	No data.	
<b>Vapor Pressure (vs. Air or mm Hg):</b>	No data.	
<b>Vapor Density (vs. Air = 1):</b>	No data.	
<b>Evaporation Rate:</b>	No data.	
<b>Solubility in Water:</b>	No data.	
<b>Percent Volatile:</b>	No data.	

## 10. Stability and Reactivity

<b>Stability:</b>	Unstable [ ] Stable [ X ]
<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 [ ] Will not occur [ X ]
<b>Conditions To Avoid - Hazardous Reactions:</b>	No data available.

## 11. Toxicological Information

<b>Toxicological Information:</b>	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.		
<b>Carcinogenicity/Other Information:</b>	CAS# 57-55-6: Not listed by ACGIH, IARC, NTP, or CA Prop 65. CAS# 77-93-0: Not listed by ACGIH, IARC, NTP, or CA Prop 65. CAS# 121-33-5: Not listed by ACGIH, IARC, NTP, or CA Prop 65.		
<b>Carcinogenicity:</b>	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:** No GHS classifications apply.

**LAND TRANSPORT (US DOT):**

**DOT Proper Shipping Name:** Not Regulated. Not regulated as a hazardous material.

**DOT Hazard Class:**

**UN/NA Number:**

**LAND TRANSPORT (Canadian TDG):**

**TDG Shipping Name:** Not Regulated. No information available.

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

**ICAO/IATA Shipping Name:** Non-Hazardous for Air Transport: Non-hazardous for air transport.

## 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
4940-11-8	2 - Ethyl - 3 - hydroxy - 4 - pyrone	No	No	No
77-93-0	Triethyl citrate	No	No	No
121-33-5	Benzaldehyde, 4-Hydroxy-3-methoxy-	No	No	No
121-32-4	Benzaldehyde, 3-ethoxy-4-hydroxy-	No	No	No
104-55-2	Cinnamaldehyde	No	No	No

**This material meets the EPA 'Hazard Categories' defined for SARA Title III Sections 311/312 as indicated:**

Yes  No Acute (immediate) Health Hazard

Yes  No Chronic (delayed) Health Hazard

Yes  No Fire Hazard

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
4940-11-8	2 - Ethyl - 3 - hydroxy - 4 - pyrone	CA PROP.65: No
77-93-0	Triethyl citrate	CA PROP.65: No
121-33-5	Benzaldehyde, 4-Hydroxy-3-methoxy-	CA PROP.65: No
121-32-4	Benzaldehyde, 3-ethoxy-4-hydroxy-	CA PROP.65: No
104-55-2	Cinnamaldehyde	CA PROP.65: No

## 16. Other Information

<b>Revision Date:</b>	10/10/2014
<b>Additional Information About This Product:</b>	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.
<b>Company Policy or Disclaimer:</b>	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 .