

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:** 600366  
**Product Name:** Gingerbread Cookie Flavor  
**Trade Name:** Gingerbread Cookie 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  
**Phone Number:** (831)316-7137
- Web site address:** Perfumersapprentice.com
- 1.4 Emergency telephone number:**  
**Emergency Contact:** Chem-Tel Phone (800)255-3924

## Section 2. Hazards Identification

- 2.1 Classification of the Substance or Mixture:**
- 2.1.1 Classification according to Regulation (EC) No 1272/2008 [CLP]:**  
Skin Corrosion/Irritation, Category 3  
Serious Eye Damage/Eye Irritation, Category 2B  
Skin Sensitization, Category 1
- 2.1.2 Classification according to Directive 1999/45/EC:**
- 2.2 Label Elements:**
- 2.2.1 Labeling according to Regulation (EC) No 1272/2008 [CLP]:**



**GHS Signal Word:** Warning

**GHS Hazard Phrases:**

H316: Causes mild skin irritation.

H317: May cause an allergic skin reaction.

H320: Causes eye irritation.

**GHS Precaution Phrases:**

P261: Avoid breathing {dust/fume/gas/mist/vapors/spray}.

P264: Wash {hands} thoroughly after handling.

P272: Contaminated work clothing should not be allowed out of the workplace.

P280: Wear {protective gloves/protective clothing/eye protection/face protection}.

**GHS Response Phrases:**

P302+352: IF ON SKIN: Wash with plenty of soap and water.

P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P321: Specific treatment {see ... on this label}.

P332+313: If skin irritation occurs, get medical advice/attention.

P333+313: If skin irritation or rash occurs, seek medical advice/attention.

P337+313: If eye irritation persists, get medical advice/attention.

P362+364: Take off contaminated clothing and wash it before reuse.

**GHS Storage and Disposal Phrases:**

P501: Dispose of contents/container to {...}.

**2.2.2 Labeling according to Directive 1999/45/EC:**

**2.3 Adverse Human Health**

**Effects and Symptoms:**

- 2.3.1 Inhalation:** May be harmful if inhaled.  
**2.3.2 Skin Contact:** May cause skin irritation.  
**2.3.3 Eye Contact:** May cause eye irritation.  
**2.3.4 Ingestion:** May be harmful if swallowed.

**Section 3. Composition/Information on Ingredients**

CAS #	Hazardous Components (Chemical Name)/ REACH Registration No.	Concentration	EC No./ EC Index No.	Risk Phrases/ GHS Classification
57-55-6	Propylene glycol	77.0 -83.0 %	200-338-0 NA	No phrases apply. Skin Corr. 2: H315 Eye Damage 2A: H319 STOT (SE) 3: H335 H336
121-33-5	Vanillin	< 6.0 %	204-465-2 NA	No phrases apply.
4940-11-8	2 - Ethyl - 3 - hydroxy - 4 - pyrone	< 4.0 %	225-582-5 NA	Xn; R22
100-51-6	Benzenemethanol	<10.0 %	202-859-9 603-057-00-5	Xn; R20/22 Acute Tox.(O) 4: H302 Acute Tox.(I) 4: H332
104-55-2	Cinnamaldehyde	< 0.2 %	203-213-9 NA	N; R43-50
84696-15-1	Ginger, ext. Extractives and their physically modified derivatives such as tinctures, concretes, ab	< 0.2 %	283-634-2 NA	No phrases apply. Asp. Toxic. 1: H304 Skin Sens. 1: H317 Eye Damage 2: H319 Aquatic (C) 2: H411

**Section 4. First Aid Measures**

**4.1 Description of First Aid**

**Measures:**

- 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.  
**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:** If swallowed, wash out mouth with water provided person is conscious.

**4.2 Important Symptoms and Effects, Both Acute and Delayed:** To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

**Note for the Doctor:** Persons with impaired kidney function may be more susceptible to the effects of this substance. Treat symptomatically and supportively.

**4.3 Indication of any immediate medical** To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

**attention and special  
treatment needed:**

## Section 5. Fire Fighting Measures

- |            |  |  |
|------------|--|--|
| <b>5.1</b> | <b>Suitable Extinguishing Media:</b>     | Use water spray, dry chemical, carbon dioxide, or alcohol-resistant foam.  |
| <b>5.2</b> | <b>Flammable Properties and Hazards:</b> |  |
|            | <b>Flash Pt:</b>                         | > 93.33 C    Method Used: Closed Cup   |
|            | <b>Explosive Limits:</b>                 | LEL:                                  UEL:   |
|            | <b>Autoignition Pt:</b>                  |  |
| <b>5.3</b> | <b>Fire Fighting Instructions:</b>       | As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. |

## Section 6. Accidental Release Measures

- |     |   |                                      |
|-----|---|--------------------------------------|
| 6.1 | <b>Protective Precautions, Protective Equipment and Emergency Procedures:</b> | Ensure adequate ventilation.         |
| 6.2 | <b>Environmental Precautions:</b>   |                                      |
| 6.3 | <b>Methods and Material For Containment and Cleaning Up:</b>                  | Dike to collect large liquid spills. |

## Section 7. Handling and Storage

- |   |  |
|---|--|
| <b>7.1 Precautions To Be Taken in Handling:</b> | Wash thoroughly after handling. Use with adequate ventilation. Avoid contact with eyes, skin, and clothing.        |
| <b>7.2 Precautions To Be Taken in Storing:</b>  | Store in a tightly closed container. Store in a cool, dry, well-ventilated area away from incompatible substances. |

## Section 8. Exposure Controls/Personal Protection

- ### 8.1 Exposure Parameters:

CAS #	Partial Chemical Name	Britain EH40	France VL	Europe
57-55-6	Propylene glycol	TWA: 474 mg/m3 (150 ppm) (Total Particulates) TWA: 10 mg/m3 (Powder)		
121-33-5	Vanillin			
4940-11-8	2 - Ethyl - 3 - hydroxy - 4 - pyrone			
100-51-6	Benzenemethanol			
104-55-2	Cinnamaldehyde			
84696-15-1	Ginger, ext. Extractives and their physically modified derivatives such as tinctures, concretes, ab			



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CAS #	Partial Chemical Name	OSHA TWA	ACGIH TWA	Other Limits
57-55-6	Propylene glycol			
121-33-5	Vanillin			
4940-11-8	2 - Ethyl - 3 - hydroxy - 4 - pyrone			
100-51-6	Benzenemethanol			
104-55-2	Cinnamaldehyde			
84696-15-1	Ginger, ext. Extractives and their physically modified derivatives such as tinctures, concretes, ab			

### 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.

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

## Section 9. Physical and Chemical Properties

### 9.1 Information on Basic Physical and Chemical Properties

**Physical States:** ☐ Gas ☒ Liquid ☐ Solid

**Appearance and Odor:** Transparent Colorless.  
Gingerbread taste and aroma.

**Melting Point:**

**Boiling Point:**

**Flash Pt:** > 93.33 C Method Used: Closed Cup

**Evaporation Rate:**

**Explosive Limits:** LEL: UEL:

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

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

**Specific Gravity (Water = 1):** 1.044886 at 22.0 C

**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 -** No data available.

**Hazardous Reactions:**

**Possibility of** Will occur [ ] Will not occur [ X ]

**Hazardous Reactions:**

**10.4 Conditions To Avoid -**

**Instability:**

**10.5 Incompatibility -**

**Materials To Avoid:**

**10.6 Hazardous**

**Decomposition Or**

**Byproducts:**

## Section 11. Toxicological Information

**11.1 Information on Toxicological Effects:** 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.

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

## Section 12. Ecological Information

**12.1 Toxicity:** 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.

**12.2 Persistence and Degradability:** No data available.

**12.3 Bioaccumulative Potential:** No data available.

**12.4 Mobility in Soil:** No data available.

**12.5 Results of PBT and vPvB assessment:**

**12.6 Other adverse effects:**



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### Section 13. Disposal Considerations

#### 13.1 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.

### Section 14. Transport Information

#### GHS Classification:

Skin Corrosion/Irritation, Category 3 - Warning! Causes mild skin irritation  
Serious Eye Damage/Eye Irritation, Category 2B - Warning! Causes eye irritation  
Skin Sensitization, Category 1 - Warning! May cause an allergic skin reaction

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

DOT Proper Shipping Name: Not regulated.

DOT Hazard Class:

UN/NA Number:

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

TDG Shipping Name: Not regulated.

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

ADR/RID Shipping Name: Not regulated.

UN Number:

Hazard Class:

#### 14.2 MARINE TRANSPORT (IMDG/IMO):

IMDG/IMO Shipping Name: Not regulated.

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

ICAO/IATA Shipping Name: Not regulated.

### Section 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
121-33-5	Vanillin	No	No	No
4940-11-8	2 - Ethyl - 3 - hydroxy - 4 - pyrone	No	No	No
100-51-6	Benzenemethanol	No	No	No
104-55-2	Cinnamaldehyde	No	No	No
84696-15-1	Ginger, ext. Extractives and their physically modified derivatives such as tinctures, concretes, ab	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	International Regulatory
57-55-6	Propylene glycol		REACH: (R), (P)



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121-33-5	Vanillin	REACH: (R), (P)
4940-11-8	2 - Ethyl - 3 - hydroxy - 4 - pyrone	REACH: (P)
100-51-6	Benzenemethanol	REACH: (R), (P)
104-55-2	Cinnamaldehyde	REACH: (R), (P)
84696-15-1	Ginger, ext. Extractives and their physically modified derivatives such as tinctures, concretes, ab	REACH: (P)

**European Community Hazard Symbol codes:**

**European Community Risk and Safety Phrases:**

### Section 16. Other Information

**Revision Date:** 03/28/2014

**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 .