

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:** 601572  
**Product Name:** Chicken and Waffle Flavor  
**Trade Name:** Chicken and Waffle 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 **Phone Number:** (831)316-7137  
 170 Technology Circle  
 Scotts Valley, CA 95066
- 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	84.0 -94.0 %	200-338-0 NA	No phrases apply. Skin Corr. 2: H315 Eye Damage 2A: H319 STOT (SE) 3: H335 H336
121-33-5	Vanillin	2.5 -3.5 %	204-465-2 NA	No phrases apply.
121-32-4	Benzaldehyde, 3-ethoxy-4-hydroxy-	1.5 -2.5 %	204-464-7 NA	Xn; R22
765-70-8	1,2-Cyclopentanedione, 3-methyl-	1.0 -2.0 %	212-154-8 NA	No phrases apply.
111-62-6	Ethyl oleate	0.5 -1.5 %	203-889-5 NA	No phrases apply.
98-01-1	2-Furancarboxaldehyde	< 0.3 %	202-627-7 605-010-00-4	T;Xn; Ca:3, R21-23/25-36/37-40 Acute Tox.(O) 3: H301 Acute Tox.(D) 4: H312 Skin Corr. 2: H315 Eye Damage 2A: H319 Acute Tox.(I) 3: H331 STOT (SE) 3: H335 H336 Carcinogen 2: H351
98-00-0	Furfuryl alcohol	< 0.2 %	202-626-1 603-018-00-2	T; Ca:3, R21/22-23-36/37-40-48/20 Acute Tox.(O) 4: H302 Acute Tox.(D) 4: H312 Eye Damage 2: H319 Acute Tox.(I) 3: H331 STOT (SE) 3: H335 H336 Carcinogen 2: H351 STOT (RE) 2: H373

## 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.

**Contact:**

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

**Contact:**

**In Case of Ingestion:** Wash mouth out with water.

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

## Section 5. Fire Fighting Measures

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

### 5.2 Flammable Properties and Hazards:

**Flash Pt:** > 200.00 F (93.3 C)

**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.

## Section 6. Accidental Release Measures

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

### 6.2 Environmental Precautions:

**6.3 Methods and Material For Containment and Cleaning Up:** Dike to collect large liquid spills.

## Section 7. Handling and Storage

**7.1 Precautions To Be Taken in Handling:** Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Use with adequate ventilation. Avoid contact with eyes, skin, and clothing. Keep container tightly closed. Avoid ingestion and inhalation.

**7.2 Precautions To Be Taken in Storing:** Store in a tightly closed container. Store in a cool, dry, well-ventilated area away from incompatible substances. Store protected from moisture.

## 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		
121-32-4	Benzaldehyde, 3-ethoxy-4-hydroxy-		
765-70-8	1,2-Cyclopentanedione, 3-methyl-		
111-62-6	Ethyl oleate		
98-01-1	2-Furancarboxaldehyde	TWA: 8 mg/m3 (2 ppm) STEL: 20 mg/m3 (5 ppm)	STEL: 8 mg/m3 (2 ppm)
98-00-0	Furfuryl alcohol		TWA: 40 mg/m3 (10 ppm)

CAS #	Partial Chemical Name	OSHA TWA	ACGIH TWA	Other Limits
57-55-6	Propylene glycol			
121-33-5	Vanillin			
121-32-4	Benzaldehyde, 3-ethoxy-4-hydroxy-			
765-70-8	1,2-Cyclopentanedione, 3-methyl-			
111-62-6	Ethyl oleate			
98-01-1	2-Furancarboxaldehyde	PEL: 5 ppm	TLV: 2 ppm	
98-00-0	Furfuryl alcohol	PEL: 50 ppm	TLV: 10 ppm STEL: 15 ppm	

### 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:** Safety glasses  
**Protective Gloves:** Wear appropriate gloves to prevent skin exposure.  
**Other Protective Clothing:** Wear appropriate clothing to prevent skin exposure.

**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.

**Work/Hygienic/Maintenance Practices:** Wash thoroughly after handling.

## Section 9. Physical and Chemical Properties

### 9.1 Information on Basic Physical and Chemical Properties

**Physical States:**  Gas  Liquid  Solid  
**Appearance and Odor:** Light yellow to light brown liquid  
 Chicken and Waffle taste and aroma.

**Melting Point:**

**Boiling Point:**

**Flash Pt:** > 200.00 F (93.3 C)

**Evaporation Rate:**

**Explosive Limits:** LEL: UEL:

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

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

**Specific Gravity (Water = 1):** 1.038895 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 [  ]

**10.3 Conditions To Avoid -**

**Hazardous Reactions:**

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

**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:**

**12.3 Bioaccumulative Potential:**

**12.4 Mobility in Soil:**

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

**12.6 Other adverse effects:**

## 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
121-32-4	Benzaldehyde, 3-ethoxy-4-hydroxy-	No	No	No
765-70-8	1,2-Cyclopentanedione, 3-methyl-	No	No	No
111-62-6	Ethyl oleate	No	No	No
98-01-1	2-Furancarboxaldehyde	No	Yes 5000 LB	No
98-00-0	Furfuryl alcohol	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)
121-33-5	Vanillin		REACH: (R), (P)



# SAFETY DATA SHEET

## Chicken and Waffle Flavor

121-32-4	Benzaldehyde, 3-ethoxy-4-hydroxy-	REACH: (R), (P)
765-70-8	1,2-Cyclopentanedione, 3-methyl-	REACH: (P)
111-62-6	Ethyl oleate	REACH: (P)
98-01-1	2-Furancarboxaldehyde	REACH: (R), (P)
98-00-0	Furfuryl alcohol	REACH: (R), (P)

**European Community Hazard Symbol codes:**

**European Community Risk and Safety Phrases:**

### Section 16. Other Information

**Revision Date:** 06/17/2014

**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.