1. Product and Company Identification

Product Code: 342431
Product Name: Pumpkin Flavor
Trade Name: Pumpkin Flavor
Company Name: Perfumer’s Apprentice
Phone Number: (831)316-7137
170 Technology Circle
Scotts Valley, CA 95066
Web site address: Perfumersapprentice.com
Emergency Contact: (800)255-3924
Chem-Tel Phone
01 (813)248-0585
Information: Contract #: MIS6760377

2. Hazards Identification

Skin Corrosion/Irritation, Category 3

GHS Signal Word: Warning
GHS Hazard Phrases: Causes mild skin irritation.
GHS Precaution Phrases: No phrases apply.
GHS Response Phrases: If skin irritation occurs, get medical advice/attention.
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

<table>
<thead>
<tr>
<th>CAS #</th>
<th>Hazardous Components (Chemical Name)</th>
<th>Concentration</th>
</tr>
</thead>
<tbody>
<tr>
<td>57-55-6</td>
<td>Propylene glycol</td>
<td>90.0 -95.0 %</td>
</tr>
<tr>
<td>7732-18-5</td>
<td>Water</td>
<td>1.0 -1.5 %</td>
</tr>
<tr>
<td>64-17-5</td>
<td>Ethyl alcohol</td>
<td>&lt; 0.5 %</td>
</tr>
</tbody>
</table>
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.
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 mouth out with water.
Note to Physician: Persons with impaired kidney function may be more susceptible to the effects of this substance. Treat symptomatically and supportively.

5. Fire Fighting Measures

Flash Pt: > 200.00 F
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.

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: 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.
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.

8. Exposure Controls/Personal Protection

<table>
<thead>
<tr>
<th>CAS #</th>
<th>Partial Chemical Name</th>
<th>OSHA TWA</th>
<th>ACGIH TWA</th>
<th>Other Limits</th>
</tr>
</thead>
<tbody>
<tr>
<td>57-55-6</td>
<td>Propylene glycol</td>
<td>No data.</td>
<td>No data.</td>
<td>No data.</td>
</tr>
<tr>
<td>7732-18-5</td>
<td>Water</td>
<td>No data.</td>
<td>No data.</td>
<td>No data.</td>
</tr>
<tr>
<td>64-17-5</td>
<td>Ethyl alcohol</td>
<td>PEL: 1000 ppm</td>
<td>TLV: 1000 ppm</td>
<td>No data.</td>
</tr>
</tbody>
</table>
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:
Safety glasses

Protective Gloves:
Wear appropriate gloves to prevent skin exposure.

Other Protective Clothing:
Wear suitable protective clothing.

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

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

Appearance and Odor:
Transparent light yellow
Pumpkin taste and aroma.

pH: No data.
Melting Point: No data.
Boiling Point: No data.
Flash Pt: > 200.00 F
Evaporation Rate: No data.
Flammability (solid, gas): No data available.
Explosive Limits: LEL: No data. UEL: No data.

Vapor Pressure (vs. Air or mm Hg): No data.
Vapor Density (vs. Air = 1): No data.
Specific Gravity (Water = 1): 1.041 at 25.0 C
Solubility in Water: No data.
Octanol/Water Partition Coefficient: No data.
Autoignition Pt: No data.
Decomposition Temperature: No data.
Viscosity: No data.

10. Stability and Reactivity

Stability: Unstable [ ] Stable [ X ]

Conditions To Avoid - Instability:
Stable under normal conditions.

Incompatibility - Materials To Avoid:
No data available.

Hazardous Decomposition or Byproducts:
No data available.

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

Conditions To Avoid - Hazardous Reactions:
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.

 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

 LAND TRANSPORT (US DOT):
 DOT Proper Shipping Name: Not Regulated.
 DOT Hazard Class: UN/NA Number:

 LAND TRANSPORT (Canadian TDG):
 TDG Shipping Name: Not Regulated.

 LAND TRANSPORT (European ADR/RID):
 ADR/RID Shipping Name: UN Number: Hazard Class:

 MARINE TRANSPORT (IMDG/IMO):
 IMDG/IMO Shipping Name: Not Regulated.

 AIR TRANSPORT (ICAO/IATA):
 ICAO/IATA Shipping Name: Not Regulated.

15. Regulatory Information

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

<table>
<thead>
<tr>
<th>CAS #</th>
<th>Hazardous Components (Chemical Name)</th>
<th>S. 302 (EHS)</th>
<th>S. 304 RQ</th>
<th>S. 313 (TRI)</th>
</tr>
</thead>
<tbody>
<tr>
<td>57-55-6</td>
<td>Propylene glycol</td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>7732-18-5</td>
<td>Water</td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>64-17-5</td>
<td>Ethyl alcohol</td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
</tbody>
</table>

 This material meets the EPA ‘Hazard Categories’ defined
 [X] Yes [ ] No Acute (immediate) Health Hazard
 [ ] Yes [X] No Chronic (delayed) Health Hazard

 Licensed to Perfumers Apprentice
for SARA Title III Sections  
[ ] Yes [X] No  Fire Hazard

311/312 as indicated:  
[ ] Yes [X] No  Sudden Release of Pressure Hazard

[ ] Yes [X] No  Reactive Hazard

<table>
<thead>
<tr>
<th>CAS #</th>
<th>Hazardous Components (Chemical Name)</th>
<th>Other US EPA or State Lists</th>
</tr>
</thead>
<tbody>
<tr>
<td>57-55-6</td>
<td>Propylene glycol</td>
<td>CA PROP.65: No</td>
</tr>
<tr>
<td>7732-18-5</td>
<td>Water</td>
<td>CA PROP.65: No</td>
</tr>
<tr>
<td>64-17-5</td>
<td>Ethyl alcohol</td>
<td>CA PROP.65: No</td>
</tr>
</tbody>
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<table>
<thead>
<tr>
<th>CAS #</th>
<th>Hazardous Components (Chemical Name)</th>
<th>International Regulatory Lists</th>
</tr>
</thead>
<tbody>
<tr>
<td>57-55-6</td>
<td>Propylene glycol</td>
<td>REACH: Yes - (R), (P)</td>
</tr>
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<td>Water</td>
<td>REACH: Yes - (P)</td>
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<td>64-17-5</td>
<td>Ethyl alcohol</td>
<td>REACH: Yes - (R), (P)</td>
</tr>
</tbody>
</table>

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.