

1. Product and Company Identification

Product Code: 332963
Product Name: Pear 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

Carcinogenicity, Category 2
Flammable Liquids, Category 3



GHS Signal Word: **Warning**

GHS Hazard Phrases: Flammable liquid and vapor.
 Suspected of causing cancer {state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard}.

GHS Precaution Phrases: Obtain special instructions before use.
 Do not handle until all safety precautions have been read and understood.
 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 exposed or concerned: Get medical attention/advice.

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

Potential Health Effects (Acute and Chronic):

Inhalation: May be harmful if inhaled.

Skin Contact: Causes skin irritation.

Eye Contact: Causes eye irritation.

3. Composition/Information on Ingredients

CAS #	Hazardous Components (Chemical Name)	Concentration
57-55-6	Propylene glycol	72.0 -82.0 %
7732-18-5	Water	10.0 -15.0 %
16491-36-4	(Z) - Hex - 3 - enyl butyrate	1.0 -5.0 %
620-02-0	5 - Methylfurfural	1.0 -3.0 %
141-78-6	Acetic acid, ethyl ester	1.0 -3.0 %

4. First Aid Measures

Emergency and First Aid Procedures:

In Case of Inhalation: If inhaled, remove to fresh air.
In Case of Skin Contact: 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.
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: 44.44 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: Wash thoroughly after handling.
Precautions To Be Taken in Storing: Store in a tightly closed container.

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.
7732-18-5	Water	No data.	No data.	No data.
16491-36-4	(Z) - Hex - 3 - enyl butyrate	No data.	No data.	No data.
620-02-0	5 - Methylfurfural	No data.	No data.	No data.
141-78-6	Acetic acid, ethyl ester	PEL: 400 ppm	TLV: 400 ppm	No data.

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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:	No data available.
Other Protective Clothing:	Wear appropriate 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

Physical States:	<input type="checkbox"/> Gas	<input checked="" type="checkbox"/> Liquid	<input type="checkbox"/> Solid
Appearance and Odor:	Pale amber to dark amber liquid. Pear-like odor.		
pH:	No data.		
Melting Point:	No data.		
Boiling Point:	No data.		
Flash Pt:	44.44 C Method Used: Closed Cup		
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):	1.0291	at 22.0 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 <input type="checkbox"/>	Stable <input checked="" type="checkbox"/>
Conditions To Avoid - Instability:	Excess heat.	
Incompatibility - Materials To Avoid:	No data available.	
Hazardous Decomposition or Byproducts:	No data available.	
Possibility of Hazardous Reactions:	Will occur <input type="checkbox"/>	Will not occur <input checked="" type="checkbox"/>
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.

CAS# 141-78-6:
Acute toxicity, LC50, Inhalation, Rat, 200.0 GM/M3.
Result:
Behavioral: Somnolence (general depressed activity).
Lungs, Thorax, or Respiration: Acute pulmonary edema.
Gastrointestinal: Changes in structure or function of salivary glands.
- Science Reports of the Research Institutes, Tohoku University, Series C: Medicine., Tohoku University, Research Institute for Tuberculosis and Cancer, 4-1 Seiryomachi, Sendai Japan, Vol/p/yr: 36(1-4), 10, 1989

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.

Persistence and Degradability: No data available.

Bioaccumulative Potential: No data available.

Mobility in Soil: No data available.

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: Carcinogenicity, Category 2 - Warning! Suspected of causing cancer
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
7732-18-5	Water	No	No	No
16491-36-4	(Z) - Hex - 3 - enyl butyrate	No	No	No
620-02-0	5 - Methylfurfural	No	No	No
141-78-6	Acetic acid, ethyl ester	No	Yes 5000 LB	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	
7732-18-5	Water	
16491-36-4	(Z) - Hex - 3 - enyl butyrate	
620-02-0	5 - Methylfurfural	
141-78-6	Acetic acid, ethyl ester	

CAS #	Hazardous Components (Chemical Name)	International Regulatory Lists
57-55-6	Propylene glycol	REACH: (R), (P)
7732-18-5	Water	REACH: (P)
16491-36-4	(Z) - Hex - 3 - enyl butyrate	REACH: (P)
620-02-0	5 - Methylfurfural	REACH: (P)
141-78-6	Acetic acid, ethyl ester	REACH: (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.