SAFETY DATA SHEET
Huckleberry Flavor

Printed: 01/27/2016
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1. Product and Company Identification

Product Code: 343722
Product Name: Huckleberry Flavor
Trade Name: Huckleberry 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

2. Hazards Identification

Flammable Liquids, Category 3
Skin Corrosion/Irritation, Category 2
Serious Eye Damage/Eye Irritation, Category 2A
Specific Target Organ Toxicity (single exposure), Category 3

GHS Signal Word: **Warning**

GHS Hazard Phrases:
H226: Flammable liquid and vapor.
H315: Causes skin irritation.
H319: Causes serious eye irritation.
H336: May cause drowsiness or dizziness.

GHS Precaution Phrases:
P210: Keep away from {heat/sparks/open flames/hot surfaces}. - No smoking.
P233: Keep container tightly closed.
P241: Use explosion-proof electrical/ventilating/lighting/{.../} equipment.
P242: Use only non-sparking tools.
P243: Take precautionary measures against static discharge.
P261: Avoid breathing {dust/fume/gas/mist/vapors/spray}.
P264: Wash {hands} thoroughly after handling.
P271: Use only outdoors or in a well-ventilated area.
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.
P303+361+353: IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower.
P304+340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P312: Call a POISON CENTER or doctor/physician if you feel unwell.
P321: Specific treatment {see ... on this label}.
P332+313: If skin irritation occurs, get 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:
P403+235: Store in cool/well-ventilated place.
P405: Store locked up.
P501: Dispose of contents/container to {...}.

Potential Health Effects (Acute and Chronic):

Inhalation: May be harmful if inhaled.

Eye Contact: Causes eye irritation.

Ingestion: May be harmful if swallowed.

3. Composition/Information on Ingredients

CAS #	Hazardous Components (Chemical Name)	Concentration
57-55-6	Propylene glycol	58.0 -74.0 %
5471-51-2	Raspberryketone, 4-(p-Hydroxyphenyl)-butanone,4-(p-Hydroxyphenyl)-butan-2-one	1.0 -3.0 %
4940-11-8	2 - Ethyl - 3 - hydroxy - 4 - pyrone	1.0 -2.0 %
77-83-8	Oxiranecarboxylic acid, 3-Methyl-3-phenyl-, ethyl ester	5.0 -7.0 %
100-52-7	Benzaldehyde	5.0 -6.0 %
105-54-4	Ethyl butyrate	5.0 -7.0 %
108-64-5	Ethyl isovalerate	1.0 -2.0 %
544-12-7	Hex - 3 - en - 1 - ol	1.0 -3.0 %
126-91-0	1,6-Octadien-3-ol, 3,7-dimethyl-, (R)-	2.0 -3.0 %

4. First Aid Measures

Emergency and First Aid Procedures: No data available.

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. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion. Wear self contained breathing apparatus for fire fighting if necessary.

Flammable Properties and Hazards: 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. Remove contaminated clothing and wash before reuse. Use with adequate ventilation.

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

CAS #	Partial Chemical Name	OSHA TWA	ACGIH TWA	Other Limits
57-55-6	Propylene glycol	No data.	No data.	No data.
5471-51-2	Raspberryketone, 4-(p-Hydroxyphenyl)-butanone,4-(p-Hydroxyphenyl)-butan-2-one	No data.	No data.	No data.
4940-11-8	2 - Ethyl - 3 - hydroxy - 4 - pyrone	No data.	No data.	No data.
77-83-8	Oxiranecarboxylic acid, 3-Methyl-3-phenyl-, ethyl ester	No data.	No data.	No data.
100-52-7	Benzaldehyde	No data.	No data.	No data.
105-54-4	Ethyl butyrate	No data.	No data.	No data.
108-64-5	Ethyl isovalerate	No data.	No data.	No data.
544-12-7	Hex - 3 - en - 1 - ol	No data.	No data.	No data.
126-91-0	1,6-Octadien-3-ol, 3,7-dimethyl-, (R)-	No data.	No data.	No data.

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.

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. Use adequate ventilation to keep airborne concentrations low.

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 yellow liquid.
Huckleberry taste and aroma.

Melting Point: No data.

Boiling Point: No data.

Autoignition Pt: No data.

Flash Pt: > 200.00 F

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

Specific Gravity (Water = 1): 1.012533 at 22.0 C

Vapor Pressure (vs. Air or mm Hg): No data.

Vapor Density (vs. Air = 1): No data.

Evaporation Rate: No data.

Solubility in Water: No data.

Percent Volatile: No data.

10. Stability and Reactivity

Stability: Unstable [ ] Stable [X]

Conditions To Avoid - Instability: No data available.

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 considererd 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: Flammable Liquids, Category 3 - Warning! Flammable liquid and vapor
Skin Corrosion/Irritation, Category 2 - Warning! Causes skin irritation
Serious Eye Damage/Eye Irritation, Category 2A - Warning! Causes serious eye irritation
Specific Target Organ Toxicity (single exposure), Category 3 - Warning! May cause respiratory irritation,or may cause drowsiness and dizziness

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: Not Regulated.
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

CAS #	Hazardous Components (Chemical Name)	S. 302 (EHS)	S. 304 RQ	S. 313 (TRI)
57-55-6	Propylene glycol	No	No	No
5471-51-2	Raspberryketone, 4-(p-Hydroxyphenyl)-butanone,4-(p-Hydroxyphenyl)-butan-2-one	No	No	No
4940-11-8	2 - Ethyl - 3 - hydroxy - 4 - pyrone	No	No	No
77-83-8	Oxiranecarboxylic acid, 3-Methyl-3-phenyl-, ethyl ester	No	No	No
100-52-7	Benzaldehyde	No	No	No
105-54-4	Ethyl butyrate	No	No	No
108-64-5	Ethyl isovalerate	No	No	No
544-12-7	Hex - 3 - en - 1 - ol	No	No	No
126-91-0	1,6-Octadien-3-ol, 3,7-dimethyl-, (R)-	No	No	No

This material meets the EPA	[X] Yes [ ] No	Acute (immediate) Health Hazard
'Hazard Categories' defined	[ ] Yes [X] No	Chronic (delayed) Health Hazard
for SARA Title III Sections	[X] Yes [ ] No	Fire Hazard
311/312 as indicated:	[ ] Yes [X] No	Sudden Release of Pressure Hazard

[ ] Yes [X] No Reactive Hazard

CAS #	Hazardous Components (Chemical Name)	Other US EPA or State Lists
57-55-6	Propylene glycol	
5471-51-2	Raspberryketone, 4-(p-Hydroxyphenyl)-butanone,4-(p-Hydroxyphenyl)-butan-2-one	
4940-11-8	2 - Ethyl - 3 - hydroxy - 4 - pyrone	
77-83-8	Oxiranecarboxylic acid, 3-Methyl-3-phenyl-, ethyl ester	
100-52-7	Benzaldehyde	
105-54-4	Ethyl butyrate	
108-64-5	Ethyl isovalerate	
544-12-7	Hex - 3 - en - 1 - ol	
126-91-0	1,6-Octadien-3-ol, 3,7-dimethyl-, (R)-	

CAS #	Hazardous Components (Chemical Name)	International Regulatory Lists
57-55-6	Propylene glycol	REACH: (R), (P)
5471-51-2	Raspberryketone, 4-(p-Hydroxyphenyl)-butanone,4-(p-Hydroxyphenyl)-butan-2-one	REACH: (P)
4940-11-8	2 - Ethyl - 3 - hydroxy - 4 - pyrone	REACH: (P)
77-83-8	Oxiranecarboxylic acid, 3-Methyl-3-phenyl-, ethyl ester	REACH: (R), (P)
100-52-7	Benzaldehyde	REACH: (R), (P)
105-54-4	Ethyl butyrate	REACH: (P)
108-64-5	Ethyl isovalerate	REACH: (P)
544-12-7	Hex - 3 - en - 1 - ol	REACH: (P)
126-91-0	1,6-Octadien-3-ol, 3,7-dimethyl-, (R)-	REACH: (P)

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 .