

1. Product and Company Identification

Product Code: 600179
Product Name: Strawberries and Cream 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

Skin Sensitization, Category 1
Flammable Liquids, Category 4



GHS Signal Word: **Warning**
GHS Hazard Phrases: Combustible liquid.
May cause an allergic skin reaction.
GHS Precaution Phrases: Keep away from {heat/sparks/open flames/hot surfaces}. - No smoking.
Avoid breathing {dust/fume/gas/mist/vapors/spray}.
Contaminated work clothing should not be allowed out of the workplace.
Wear {protective gloves/protective clothing/eye protection/face protection}.
GHS Response Phrases: IF ON SKIN: Wash with plenty of soap and water.
Specific treatment {see ... on this label}.
If skin irritation or rash occurs, seek medical advice/attention.
Take off contaminated clothing and wash it before reuse.
GHS Storage and Disposal Phrases: Store in cool/well-ventilated place.
Dispose of contents/container to {...}.
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

CAS #	Hazardous Components (Chemical Name)	Concentration
57-55-6	Propylene glycol	82.0 -92.0 %
121-33-5	Vanillin	< 2.0 %
103-26-4	Trans-Methyl cinnamate	< 2.0 %
4940-11-8	2 - Ethyl - 3 - hydroxy - 4 - pyrone	< 5.0 %
7732-18-5	Water	< 4.0 %
105-54-4	Ethyl butyrate	< 2.0 %

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.

Signs and Symptoms Of Exposure: To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

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: 61.67 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. 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

CAS #	Partial Chemical Name	OSHA TWA	ACGIH TWA	Other Limits
57-55-6	Propylene glycol	No data.	No data.	No data.
121-33-5	Vanillin	No data.	No data.	No data.
103-26-4	Trans-Methyl cinnamate	No data.	No data.	No data.
4940-11-8	2 - Ethyl - 3 - hydroxy - 4 - pyrone	No data.	No data.	No data.
7732-18-5	Water	No data.	No data.	No data.
105-54-4	Ethyl butyrate	No data.	No data.	No data.

SAFETY DATA SHEET

Strawberries and Cream Flavor

Page: 3

Printed: 09/09/2016
Revision: 03/26/2014

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:	Wash thoroughly after handling.

9. Physical and Chemical Properties

Physical States:	[] Gas [X] Liquid [] Solid
Appearance and Odor:	Transparent Colorless. Strawberries and cream taste and aroma.
pH:	No data.
Melting Point:	No data.
Boiling Point:	No data.
Flash Pt:	61.67 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):	1.0471 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 [] 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 considered and handled as if it displayed health hazards and consequently treated with all possible precaution.

CAS# 121-33-5:
Other Studies:, TCLo, Inhalation, Rat, 41700. UG/M3, 4 D.
Result:
Brain and Coverings: Recordings from specific areas of CNS.
Blood: Changes in erythrocyte (RBC) count.
Blood: Changes in leukocyte (WBC) count.
- Gigiena i Sanitariya, Mezhdunarodnaya Kniga, ul. B. Yakimanka, 39, 113095, Moscow 113095 Russia, Vol/p/yr: 45(6),78, 1980

Acute toxicity, LC (Lethal concentration), Inhalation, Rat, > 41700. UG/KG, 4 H.
Result:
Specific Developmental Abnormalities: Eye, ear.
Specific Developmental Abnormalities: Urogenital system.
- Gigiena i Sanitariya, Mezhdunarodnaya Kniga, ul. B. Yakimanka, 39, 113095, Moscow 113095 Russia, Vol/p/yr: 45(6),78, 1980

CAS# 103-26-4:
Acute toxicity, LD50, Oral, Rat, 2610. MG/KG.
Result:
Tumorigenic: Neoplastic by RTECS criteria.
Gastrointestinal: Tumors.
- Food and Cosmetics Toxicology., For publisher information, see FCTOD7, London United Kingdom, Vol/p/yr: 13,849, 1975

Acute toxicity, LD50, Skin, Species: Rabbit, > 5.000 GM/KG.
Result:
Maternal Effects: Parturition.
Effects on Newborn: Weaning or lactation index (e.g., # alive at weaning per # alive at day {4}).
Effects on Newborn: Growth statistics (e.g., reduced weight gain).
- Food and Cosmetics Toxicology., For publisher information, see FCTOD7, London United Kingdom, Vol/p/yr: 13,849, 1975

CAS# 4940-11-8:
Acute toxicity, LD50, Oral, Rat, 1150. MG/KG.
Result:
Related to Chronic Data - death.
- Toxicology and Applied Pharmacology, Academic Press, Inc., 1 E. First St., Duluth, MN 55802, Vol/p/yr: 15,604, 1969

Acute toxicity, LD50, Inhalation, Mouse, 780.0 MG/KG.
Result:
Kidney, Ureter, Bladder: Changes in tubules (including acute renal failure, acute tubular necrosis).
Related to Chronic Data - death.

SAFETY DATA SHEET
Strawberries and Cream Flavor

Page: 5

Printed: 09/09/2016
Revision: 03/26/2014

- Toxicology and Applied Pharmacology, Academic Press, Inc., 1 E. First St., Duluth, MN 55802, Vol/p/yr: 15,604, 1969

Acute toxicity, LD50, Subcutaneous, Mouse, 910.0 MG/KG.

Result:

Tumorigenic: Neoplastic by RTECS criteria.

Gastrointestinal: Tumors.

- Chemical and Pharmaceutical Bulletin., Japan Pub. Trading Co., USA, 1255 Howard St., San Francisco, CA 94103 Japan, Vol/p/yr: 22,1008, 1974

Acute toxicity, LD50, Skin, Species: Rabbit, > 5.000 GM/KG.

Result:

Maternal Effects: Parturition.

Effects on Newborn: Weaning or lactation index (e.g., # alive at weaning per # alive at day {4}).

Effects on Newborn: Growth statistics (e.g., reduced weight gain).

- Food and Cosmetics Toxicology., For publisher information, see FCTOD7, London United Kingdom, Vol/p/yr: 13,805, 1975

Acute toxicity, LD50, Oral, Chicken, 1270. MG/KG.

Result:

Effects on Newborn: Behavioral.

Effects on Newborn: Physical.

- Toxicology and Applied Pharmacology, Academic Press, Inc., 1 E. First St., Duluth, MN 55802, Vol/p/yr: 15,604, 1969

CAS# 105-54-4:

Acute toxicity, LD50, Oral, Rat, 13.00 GM/KG.

Result:

Behavioral: Somnolence (general depressed activity).

Behavioral: Coma.

- Food and Cosmetics Toxicology., For publisher information, see FCTOD7, London United Kingdom, Vol/p/yr: 2,327, 1964

Acute toxicity, LD50, Oral, Species: Rabbit, 5228. MG/KG.

Result:

Effects on Newborn: Growth statistics (e.g., reduced weight gain).

- Industrial Medicine and Surgery., For publisher information, see IOHSA5, Northbrook, IL, Vol/p/yr: 41,31, 1972

Acute toxicity, LD50, Skin, Species: Rabbit, > 2.000 GM/KG.

Result:

Peripheral Nerve and Sensation: Spastic paralysis with or without sensory change.

Behavioral: General anesthetic.

- Food and Cosmetics Toxicology., For publisher information, see FCTOD7, London United Kingdom, Vol/p/yr: 12,719, 1974

Standard Draize Test, Skin, Species: Rabbit, 500.0 MG, 24 H.

Result:

Liver: Other changes.

Biochemical: Enzyme inhibition, induction, or change in blood or tissue levels:

Dehydrogenases.

- Food and Cosmetics Toxicology., For publisher information, see FCTOD7, London

SAFETY DATA SHEET

Strawberries and Cream Flavor

Page: 6
Printed: 09/09/2016
Revision: 03/26/2014

United Kingdom, Vol/p/yr: 12,719, 1974

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 Sensitization, Category 1 - Warning! May cause an allergic skin reaction
Flammable Liquids, Category 4 - Warning! Combustible liquid

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
121-33-5	Vanillin	No	No	No
103-26-4	Trans-Methyl cinnamate	No	No	No
4940-11-8	2 - Ethyl - 3 - hydroxy - 4 - pyrone	No	No	No
7732-18-5	Water	No	No	No
105-54-4	Ethyl butyrate	No	No	No

This material meets the EPA Yes No Acute (immediate) Health Hazard
'Hazard Categories' defined Yes No Chronic (delayed) Health Hazard

SAFETY DATA SHEET

Strawberries and Cream Flavor

Page: 7

Printed: 09/09/2016

Revision: 03/26/2014

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	
121-33-5	Vanillin	
103-26-4	Trans-Methyl cinnamate	
4940-11-8	2 - Ethyl - 3 - hydroxy - 4 - pyrone	
7732-18-5	Water	
105-54-4	Ethyl butyrate	

CAS #	Hazardous Components (Chemical Name)	International Regulatory Lists
57-55-6	Propylene glycol	REACH: (R), (P)
121-33-5	Vanillin	REACH: (R), (P)
103-26-4	Trans-Methyl cinnamate	REACH: (R), (P)
4940-11-8	2 - Ethyl - 3 - hydroxy - 4 - pyrone	REACH: (P)
7732-18-5	Water	REACH: (P)
105-54-4	Ethyl butyrate	REACH: (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.