

1. Product and Company Identification

Product Code: 603124
Product Name: Butterscotch Flavor
Trade Name: Butterscotch 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 Corrosion/Irritation, Category 2
Serious Eye Damage/Eye Irritation, Category 2
Skin Sensitization, Category 1



GHS Signal Word: **Warning**
GHS Hazard Phrases: Causes skin irritation.
May cause an allergic skin reaction.
Causes serious eye irritation.
GHS Precaution Phrases: Avoid breathing {dust/fume/gas/mist/vapors/spray}.
Wash {hands} thoroughly after handling.
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.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Specific treatment {see ... on this label}.
If skin irritation occurs, get medical advice/attention.
If skin irritation or rash occurs, seek medical advice/attention.
If eye irritation persists, get medical advice/attention.
Take off contaminated clothing and wash before re-use.
Wash contaminated clothing before reuse.
GHS Storage and Disposal Phrases: Dispose of contents/container to {...}.
Potential Health Effects (Acute and Chronic):
Inhalation: MAY BE HARMFUL IF INHALED.
Skin Contact: MAY CAUSE EYE IRRITATION.
Eye Contact: MAY CAUSE SKIN IRRITATION.

3. Composition/Information on Ingredients

CAS #	Hazardous Components (Chemical Name)	Concentration
57-55-6	Propylene glycol	85.0 -95.0 %
121-33-5	Vanillin	< 3.0 %
121-32-4	Benzaldehyde, 3-ethoxy-4-hydroxy-	< 1.5 %
765-70-8	1,2-Cyclopentanedione, 3-methyl-	< 2.0 %
98-01-1	2-Furancarboxaldehyde	< 0.2 %
98-00-0	Furfuryl alcohol	< 0.2 %
28664-35-9	4,5-Dimethyl-3-hydroxy-2,5-dihydrofuran-2-one	0.5 -1.5 %
107-92-6	Butyric acid	3.0 %
104-55-2	Cinnamaldehyde	0.5 -1.5 %
8007-80-5	Oils, cassia	< 0.3 %

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, IMMEDIATELY FLUSH EYES WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES.
- In Case of Eye Contact:** FLUSH SKIN WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES.
- In Case of Ingestion:** DO NOT INDUCE VOMITING. RINSE MOUTH WITH WATER.
- Note to Physician:** TREAT SYMPTOMATICALLY AND SUPPORTIVELY.

5. Fire Fighting Measures

- Flash Pt:** > 93.30 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 LIQUID AND VAPOR.
- Flammable Properties and Hazards:** FLAMMABLE IN THE PRESENCE OF A SOURCE OF IGNITION WHEN THE TEMPERATURE IS ABOVE THE FLASH POINT.
- 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:** CONTAIN SPILLAGE, AND THEN COLLECT WITH NON-COMBUSTIBLE ABSORBENT MATERIAL, (E.G. SAND, EARTH, DIATOMACEOUS EARTH, VERMICULITE) AND PLACE IN CONTAINER FOR DISPOSAL ACCORDING TO LOCAL / NATIONAL REGULATIONS (SEE SECTION 13).

7. Handling and Storage

Precautions To Be Taken in Handling: AVOID CONTACT WITH SKIN AND EYES. KEEP AWAY FROM SOURCES OF IGNITION - NO SMOKING.
WASH THOROUGHLY AFTER HANDLING. REMOVE CONTAMINATED CLOTHING AND WASH BEFORE REUSE.

Precautions To Be Taken in Storing: KEEP CONTAINER TIGHTLY CLOSED IN A DRY AND WELL-VENTILATED PLACE.

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.
121-32-4	Benzaldehyde, 3-ethoxy-4-hydroxy-	No data.	No data.	No data.
765-70-8	1,2-Cyclopentanedione, 3-methyl-	No data.	No data.	No data.
98-01-1	2-Furancarboxaldehyde	PEL: 5 ppm	TLV: 2 ppm	No data.
98-00-0	Furfuryl alcohol	PEL: 50 ppm	TLV: 10 ppm STEL: 15 ppm	No data.
28664-35-9	4,5-Dimethyl-3-hydroxy-2,5-dihydrofuran-2-one	No data.	No data.	No data.
107-92-6	Butyric acid	No data.	No data.	No data.
104-55-2	Cinnamaldehyde	No data.	No data.	No data.
8007-80-5	Oils, cassia	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: USE EQUIPMENT FOR EYE PROTECTION TESTED AND APPROVED UNDER APPROPRIATE GOVERNMENT STANDARDS SUCH AS NIOSH (US) OR EN 166(EU).

Protective Gloves: WEAR CHEMICAL-RESISTANT 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.

Work/Hygienic/Maintenance Practices: HANDLE IN ACCORDANCE WITH GOOD INDUSTRIAL HYGIENE AND SAFETY PRACTICE. ENVIRONMENTAL PREVENT FURTHER LEAKAGE OR SPILLAGE IF SAFE TO DO SO. DO NOT LET PRODUCT ENTER DRAINS.

9. Physical and Chemical Properties

Physical States:	[] Gas [X] Liquid [] Solid
Appearance and Odor:	TRANSPARENT LIGHT BROWN TO DARK BROWN COLOR (MAY DARKEN WITH AGE) BUTTERSCOTCH, CINNAMON ROLL TASTE AND AROMA
pH:	No data.
Melting Point:	No data.
Boiling Point:	No data.
Flash Pt:	> 93.30 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):	1.0469
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 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 2 - Warning! Causes skin irritation
Serious Eye Damage/Eye Irritation, Category 2 - Warning! Causes serious eye irritation
Skin Sensitization, Category 1 - Warning! May cause an allergic skin reaction

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
121-32-4	Benzaldehyde, 3-ethoxy-4-hydroxy-	No	No	No
765-70-8	1,2-Cyclopentanedione, 3-methyl-	No	No	No
98-01-1	2-Furancarboxaldehyde	No	Yes 5000 LB	No
98-00-0	Furfuryl alcohol	No	No	No
28664-35-9	4,5-Dimethyl-3-hydroxy-2,5-dihydrofuran-2-one	No	No	No
107-92-6	Butyric acid	No	Yes 5000 LB	No
104-55-2	Cinnamaldehyde	No	No	No
8007-80-5	Oils, cassia	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
57-55-6	Propylene glycol	CA PROP.65: No
121-33-5	Vanillin	CA PROP.65: No
121-32-4	Benzaldehyde, 3-ethoxy-4-hydroxy-	CA PROP.65: No
765-70-8	1,2-Cyclopentanedione, 3-methyl-	CA PROP.65: No
98-01-1	2-Furancarboxaldehyde	CA PROP.65: No
98-00-0	Furfuryl alcohol	CA PROP.65: No
28664-35-9	4,5-Dimethyl-3-hydroxy-2,5-dihydrofuran-2-one	CA PROP.65: No
107-92-6	Butyric acid	CA PROP.65: No
104-55-2	Cinnamaldehyde	CA PROP.65: No
8007-80-5	Oils, cassia	CA PROP.65: No

CAS #	Hazardous Components (Chemical Name)	International Regulatory Lists
57-55-6	Propylene glycol	REACH: Yes - (R), (P)
121-33-5	Vanillin	REACH: Yes - (R), (P)
121-32-4	Benzaldehyde, 3-ethoxy-4-hydroxy-	REACH: Yes - (R), (P)
765-70-8	1,2-Cyclopentanedione, 3-methyl-	REACH: Yes - (P)
98-01-1	2-Furancarboxaldehyde	REACH: Yes - (R), (P)
98-00-0	Furfuryl alcohol	REACH: Yes - (R), (P)
28664-35-9	4,5-Dimethyl-3-hydroxy-2,5-dihydrofuran-2-one	REACH: Yes - (P)
107-92-6	Butyric acid	REACH: Yes - (R), (P)
104-55-2	Cinnamaldehyde	REACH: Yes - (R), (P)
8007-80-5	Oils, cassia	REACH: Yes - (P)

16. Other Information

Revision Date: 09/25/2015

Additional Information About No data available.

This Product:

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 .