

Product: **Bourbon & Butterscotch**

Print Date: 2024-02-14

Revised Date: 2024-02-14

1. Identification of the substance/mixture and of the company/undertaking**1.1 Product identifier**

Trade Name: Bourbon & Butterscotch

1.2 Relevant identified product use

Intended use: Compound used in customer substance/mixture/product

1.3 Details of the manufacturer/supplier of the safety data sheet

Manufacturer: Scent Studio
619 Emperor Street SW
Grand Rapids, MI 49504, USA

1.4 Emergency telephone number

(616) 570-0147 Domestic and International use

2. Hazards Identification**2.1 Classification of the substance or mixture**

This mixture has not been tested as a whole. The effects, listed below, are based on evaluation of individual components in accordance with the provisions of the regulation(s) noted below.

Classification according to GHS

Flammable Liquid, Category 4	H227 : Combustible liquid.
Acute Toxicity - Oral Category 4	H302 : Harmful if swallowed
Sensitization, Skin, Category 1B	H317 : May cause an allergic skin reaction
Eye Damage / Irritation Category 2	H319 : Causes serious eye irritation.
Aquatic Chronic Toxicity, Category 1	H400 : Very toxic to aquatic life
Aquatic Chronic Toxicity, Category 2	H411 : Toxic to aquatic life with long lasting effects

Classification OSHA (Provisions 1910.1200 of title 29)

Sensitization, Skin, Category 1B	H317 : May cause an allergic skin reaction
Eye Damage / Irritation Category 2	H319 : Causes serious eye irritation

Classification Other

Carcinogenicity

This mixture does not contains ingredients identified as carcinogens, at 0.1% or greater, by the following: None [X] ACGIH [] IARC [] NTP [] OSHA []

2.2 Label elements**Labelling (GHS)****Hazard pictograms**

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Signal Word: Warning**Hazard statements**

H227	Combustible liquid
H302	Harmful if swallowed
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H400	Very toxic to aquatic life.
H411	Toxic to aquatic life with long lasting effects

Precautionary Statements**Prevention:**

P210	Keep away from heat, sparks, open flames and hot surfaces. - No smoking
P261	Avoid breathing vapor or dust
P264	Wash hands and other contacted skin thoroughly after handling
P272	Contaminated work clothing should not be allowed out of the workplace
P273	Avoid release to the environment
P280	Wear protective gloves/eye protection/face protection

Response:

P301 + 312	IF SWALLOWED: call a POISON CENTER or doctor/physician if you feel unwell.
P302 + 352	IF ON SKIN: Wash with plenty of soap and water
P305 + 351 + 338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
P330	Rinse mouth
P333 + P313	If skin irritation or a rash occurs: Get medical advice/attention
P337 + 313	If eye irritation persists: Get medical advice/attention
P363	Wash contaminated clothing before reuse
P370 + 378	In case of fire: Use carbon dioxide, dry chemical, foam for extinction
P391	Collect Spillage.
P403 + 235	Store in a well-ventilated place. Keep cool.
P501	Dispose of contents/container to approved disposal site, in accordance with local regulations

2.3 Other Hazards

no data available

3. Composition/Information on Ingredients**3.1 Mixtures**

This product is a complex mixture of ingredients, which contains among others the following substance(s), presenting a health or environmental hazard within the meaning of the UN Globally Harmonized System of Classification and Labeling of Chemicals (GHS):

Name	CAS	%	GHS Classification
Benzyl benzoate	120-51-4	50-100%	H302-H313-H400-H411
Ethyl vanillin	121-32-4	10-<20%	H303-H320- H402

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Vanillin	121-33-5	5-<10%	H303-H319- H402
Coumarin	91-64-5	5-<10%	H302- H317-H402
Ethyl maltol	4940-11-8	1-<5%	H302-H401
gamma-Undecalactone	104-67-6	1-<5%	H316- H412
p-Methoxybenzaldehyde	123-11-5	1-<5%	H303- H412
gamma-Nonalactone	104-61-0	1-<5%	H316
Piperonal	120-57-0	0.1-<1%	H303- H317-H401
Ethyl propionate	105-37-3	0.1-<1%	H225-H315-H320-H335-H401
Acetyl propionyl	600-14-6	0.1-<1%	H225-H303-H313-H316-H317-H318-H373-H402
Butylated hydroxytoluene	128-37-0	0.1-<1%	H410
Vanillin	121-33-5	5-<10%	H303-H319- H402

4. First Aid Measures

4.1 Description of first aid measures

- Inhalation:** Remove from exposure site to fresh air, keep at rest, and obtain medical attention.
- Eye Exposure:** IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- Skin Exposure:** IF ON SKIN: Wash with plenty of soap and water.
- Ingestion:** Rinse mouth with water and obtain medical attention.

4.2 Most important symptoms and effects, both acute and delayed

- Symptoms:** Harmful if swallowed.
May cause an allergic skin reaction.
Causes serious eye irritation

- Risks:** Refer to Section 2.2 "Hazard Statements"

4.3 Indication of any immediate medical attention and special treatment needed Treatment:

None expected, see Section 4.1 for further information

5. Fire-Fighting measures

5.1 Extinguishing media

- Suitable:** Carbon dioxide, Dry chemical, Foam
- Unsuitable:** Do not use a direct water jet on burning material

5.2 Special hazards arising from the substance or mixture

- During fire fighting:** Carbon monoxide, Unidentified organic compounds

5.3 Advice for firefighters

- Further information:** In case of insufficient ventilation, wear suitable respiratory equipment.

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6. Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures

Avoid inhalation. Avoid contact with skin and eyes. See protective measures under Section 7 and 8.

6.2 Environmental precautions

Keep away from drains, soil, and surface and groundwater.

6.3 Methods and materials for containment and cleaning up

Remove ignition sources. Provide adequate ventilation. Avoid excessive inhalation of vapours. Contain spillage immediately by use of sand or inert powder. Dispose of according to local regulations.

6.4 Reference to other sections

Not Applicable

7. Handling and Storage

7.1 Precautions for safe handling

Do not eat, drink or smoke when using this product.

7.2 Conditions for safe storage, including any incompatibilities

Store in a well-ventilated place. Keep container tightly closed. Keep cool. Ground/bond container and receiving equipment. Use explosion-proof electrical, ventilating and lighting equipment. Use only non-sparking tools. Take precautionary measures against static discharge.

7.3 Specific end uses

No information available

8. Exposure Controls/Personal Protection

8.1 Control parameters

Exposure Limits: Not Applicable

Engineering Controls: Use local exhaust as needed.

8.2 Exposure controls - Personal protective equipment

Eye protection: Tightly sealed goggles, face shield, or safety glasses with brow guards and side shields, etc. as may be appropriate for the exposure

Respiratory protection: Avoid excessive inhalation of concentrated vapors. Apply local ventilation where appropriate.

Skin protection: Avoid Skin contact. Use chemically resistant gloves as needed.

9. Physical and Chemical Properties

9.1 Information on basic physical and chemical properties

Appearance: Free flowing liquid without sediment

Odor: Characteristic

Color: 5 Pale Yellow - 7 Yellow

Viscosity: Not determined

Freezing Point: Not determined

Boiling Point: Not determined

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Melting Point:	Not determined
Flashpoint (CCCFP):	75 °C
Auto flammability:	Not determined
Explosive Properties:	None Expected
Oxidizing properties:	None Expected
Vapor Pressure (mmHg@20 C):	Not determined
%VOC:	1.35
Specific Gravity @ 25 C:	Not determined
Density (g/mL) @ 25 C:	1.1200 - 1.1300
Refractive Index @ 20 C:	1.5562 - 1.5662
Soluble in:	Not determined

10. Stability and Reactivity

10.1 Reactivity	Presents no significant reactivity hazard, by itself or in contact with water.
10.2 Chemical stability	Stable
10.3 Possibility of hazardous reactions	None known
10.4 Conditions to avoid	Avoid extreme heat
10.5 Incompatible materials	Avoid contact with strong acids, alkalis or oxidising agents.
10.6 Hazardous decomposition products	Not expected.

11. Toxicological Information

11.1 Toxicological Effects

Acute Toxicity Estimates (ATEs) based on the individual Ingredient Toxicity Data utilizing the "Additivity Formula"

Acute toxicity - Oral - (Rat) mg/kg	1633
Acute toxicity - Dermal - (Rabbit) mg/kg	>5000
Acute toxicity - Inhalation - (Rat) mg/L/4hr	Not applicable
Skin corrosion / irritation	Based on available data the classification criteria are not met
Serious eye damage / irritation	Eye Damage / Irritation Category 2
Respiratory sensitization	Not classified - the classification criteria are not met
Skin sensitization	Sensitization - Skin Category 1
Germ cell mutagenicity	Not classified - the classification criteria are not met
Carcinogenicity	Not classified - the classification criteria are not met
Reproductive toxicity	Not classified - the classification criteria are not met
Specific target organ toxicity - single exposure	Not classified - the classification criteria are not met
Specific target organ toxicity - repeated exposure	Not classified - the classification criteria are not met
Aspiration hazard	Not classified - the classification criteria are not met

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Information about hazardous ingredients in the mixture

Ingredient	CAS	LD50/ATE Oral	LD50/ATE Dermal	LC50/ATE Inhalation	LC50 Route
Benzyl benzoate	120-51-4	1500	4000	Not available	Not available
Coumarin	91-64-5	500	Not available	Not available	Not available
Ethyl maltol	4940-11-8	1200	Not available	Not available	Not available
Ethyl vanillin	121-32-4	3000	Not available	Not available	Not available
Vanillin	121-33-5	3500	Not available	Not available	Not available
p- Methoxybenzaldehyde	123-11-5	3210	Not available	Not available	Not available

12. Ecological Information**12.1 Toxicity****Acute aquatic toxicity**

Very toxic to aquatic life

Toxic to aquatic life with long lasting effects

Chronic aquatic toxicity

no data available

Toxicity Data on soil

no data available

Toxicity on other organisms

no data available

12.2 Persistence and degradability

no data available

12.3 Bioaccumulative potential

no data available

12.4 Mobility in soil

no data available

12.5 Other adverse effects

no data available

13. Disposal Conditions**13.1 Waste treatment methods**

Dispose of in accordance with local regulations. Avoid disposing into drainage systems and into the environment. Empty containers should be taken to an approved waste handling site for recycling or disposal.

14. Transport Information**Marine Pollutant**

Yes. Ingredient of greatest environmental impact :
(Benzyl benzoate, Butylated hydroxytoluene)

ADR/RID (International Road/Rail)

ENVIRONMENTALLY
HAZARDOUS SUBSTANCE,
LIQUID, N.O.S.

9

III

UN3082

IATA (Air Cargo)

ENVIRONMENTALLY
HAZARDOUS SUBSTANCE,
LIQUID, N.O.S

9

III

UN3082

IMDG (Sea)

ENVIRONMENTALLY
HAZARDOUS SUBSTANCE,
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9

III

UN3082

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15. Regulatory Information

Additional formulation properties:

Name	CAS	%
Ethyl vanillin	121-32-4	10-<20%
Vanillin	121-33-5	5-<10%

Components listed on California's SB312

Name	CAS	%
BENZYL BENZOATE	120-51-4	50-100%
COUMARIN (C)	91-64-5	5-<10%

16. Other Information**GHS H-Statements referred to under section 3 and not listed in section 2**

H226 : Flammable liquid and vapour

H302 : Harmful if swallowed

H304 : May be fatal if swallowed and enters airways

H313 : May be harmful in contact with skin

H315 : Causes skin irritation

H319 : Causes serious eye irritation

H320 : Causes eye irritation

H401 : Toxic to aquatic life

H402 : Harmful to aquatic life

H410 : Very toxic to aquatic life with long lasting effects

H412 : Harmful to aquatic life with long lasting effects

Concentration % Limits:

EDI 2A=44.56% EDI 2B=97.18% SS 1=16.45% EH A1=40.94% EH A2=4.08% EH A3=0.40573021% EH C2=39.60% EH C3=3.94% EH C4=38.78%

Total Fractional Values:

EDI 2A=2.24 EDI 2B=1.03 SS 1=6.08 EH A1=2.44 EH A2=24.54 EH A3=246.47 EH C2=2.53 EH C3=25.39 EH C4=2.58

Remarks

This safety data sheet is based on the properties of the material known to Scent Studio at the time the data sheet was issued. The safety data sheet is intended to provide information for a health and safety assessment of the material and the circumstances, under which it is packaged, stored or applied in the workplace. For such a safety assessment Scent Studio holds no responsibility. This document is not intended for quality assurance purposes.