

Product: Cranberry

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: Cranberry

**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 Liquids, Category 4	H227 : Combustible liquid
Acute Toxicity Oral, Category 4	H302 : Harmful if swallowed
Aspiration Hazard, Category 1	H304 : May be fatal if swallowed and enters airways
Acute Toxicity Dermal, Category 5	H313 : May be harmful in contact with skin
Skin Corrosion/Irritation, Category 2	H315 : Causes skin irritation
Sensitization, Skin, Category 1A	H317 : May cause an allergic skin reaction
Acute Toxicity Inhalation, Category 5	H333 : May be harmful if inhaled
Aquatic Acute 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)**

Flammable Liquids, Category 4	H227 : Combustible liquid
Acute Toxicity Oral, Category 4	H302 : Harmful if swallowed
Aspiration Hazard, Category 1	H304 : May be fatal if swallowed and enters airways
Skin Corrosion/Irritation, Category 2	H315 : Causes skin irritation
Sensitization, Skin, Category 1A	H317 : May cause an allergic skin reaction
Reproductive Toxicity, Category 1B	H360 : May damage fertility or the unborn child

**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: Danger****Hazard statements**

H227	Combustible liquid
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
H317	May cause an allergic skin reaction
H333	May be harmful if inhaled
H360	May damage fertility or the unborn child
H400	Very Toxic to aquatic life
H411	Toxic to aquatic life with long lasting effects

**Precautionary Statements****Prevention:**

P201	Obtain special instructions before use
P202	Do not handle until all safety precautions have been read and understood
P235	Keep cool
P264	Wash hands thoroughly after handling
P270	Do not eat, drink or smoke when using this product
P272	Contaminated work clothing should not be allowed out of the workplace
P273	Avoid release to the environment
P281	Use personal protective equipment as required

**Response:**

P301 + P310 + P331	IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician Do NOT induce vomiting
P302 + P352	IF ON SKIN: Wash with soap and water
P304 + P312	IF INHALED: Call a POISON CENTER or doctor/physician if you feel unwell
P308 + P313	IF exposed or concerned: Get medical advice/attention
P312	Call a POISON CENTER or doctor/physician if you feel unwell
P330	Rinse mouth
P333 + P313	If skin irritation or a rash occurs: Get medical advice/attention
P362	Take off contaminated clothing and wash before reuse
P363	Wash contaminated clothing before reuse
P370 + P378	In case of fire: Use Carbon dioxide (CO <sub>2</sub> ), Dry chemical, or Foam for extinction. Do not use a direct water jet on burning material
P391	Collect Spillage

**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):

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Name	CAS	%	GHS Classification
Benzyl Benzoate	120-51-4	30 - 40 %	H302; H313; H400; H411
Alpha-Methylcinnamaldehyde	101-39-3	30 - 40 %	H303; H317; H401
Limonene	5989-27-5	5 - 10 %	H226; H304; H315; H317; H400; H412
Eugenol	97-53-0	2 - 5 %	H303; H316; H317; H319; H401
Coumarin	91-64-5	2 - 5 %	H301; H317; H402
4-(p-Methoxyphenyl)-2-butanone	104-20-1	2 - 5 %	H402
Cinnamal	104-55-2	1 - 2 %	H303; H312; H315; H317; H319; H401; H412
Beta-Caryophyllene	1885-38-7	0.1 - 1.0 %	H301; H312; H316; H317; H332; H402
Cinnamyl nitrile	104-21-2	0.1 - 1.0 %	H317; H402
p-Anisyl acetate	115-95-7	0.1 - 1.0 %	H227; H315; H317; H320; H402
Linalyl Acetate	78-70-6	0.1 - 1.0 %	H227; H303; H315; H317; H319; H402
Ethyl Methylphenylglycidate	77-83-8	0.1 - 1.0 %	H317; H401; H411
Methyl isoeugenol (Isoeugenyl methyl ether)	93-16-3	0.1 - 1.0 %	H303; H317; H402
Butylphenyl Methylpropional	80-54-6	0.1 - 1.0 %	H227; H302; H315; H317; H360; H401; H412
6,7-Dihydro-1,1,2,3,3-pentamethyl-4(5H)-indanone (Cashmeran)	33704-61-9	0.1 - 1.0 %	H303; H315; H317; H319; H401; H411
delta-1-(2,6,6-Trimethyl-3-cyclohexen-1-yl)-2-buten-1-one (delta-Damascone)	57378-68-4	0.1 - 1.0 %	H302; H315; H317; H318; H400; H410

## 4. First Aid Measures

### 4.1 Description of first aid measures

<b>Inhalation:</b>	Remove from exposure site to fresh air, keep at rest, and obtain medical attention.
<b>Eye Exposure:</b>	Flush immediately with water for at least 15 minutes. Contact physician if symptoms persist.
<b>Skin Exposure:</b>	Remove contaminated clothes. Wash thoroughly with water (and soap). Contact physician if symptoms persist.
<b>Ingestion:</b>	Rinse mouth with water and obtain medical advice.

### 4.2 Most important symptoms and effects, both acute and delayed

<b>Symptoms:</b>	no data available
<b>Risks:</b>	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

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## 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:** Water may be ineffective

### 5.3 Advice for firefighters

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

## 6. Accidental Release Measures

### 6.1 Personal precautions, protective equipment and emergency procedures

Avoid inhalation and contact with skin and eyes. A self-contained breathing apparatus is recommended in case of a major spill.

### 6.2 Environmental precautions

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

### 6.3 Methods and materials for containment and cleaning up

Clean up spillage promptly. Remove ignition sources. Provide adequate ventilation. Avoid excessive inhalation of vapors. Gross spillages should be contained by use of sand or inert powder and disposed of according to the local regulations.

### 6.4 Reference to other sections

Not Applicable

## 7. Handling and Storage

### 7.1 Precautions for safe handling

Apply according to good manufacturing and industrial hygiene practices with proper ventilation. Do not drink, eat or smoke while handling. Respect good personal hygiene.

### 7.2 Conditions for safe storage, including any incompatibilities

Store in a cool, dry and ventilated area away from heat sources and protected from light in tightly closed original container. Avoid uncoated metal container. Keep air contact to a minimum.

### 7.3 Specific end uses

No information available

## 8. Exposure Controls/Personal Protection

### 8.1 Control parameters

**Exposure Limits:** Contains no substances with occupational exposure limit values

**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.

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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**

<b>Appearance:</b>	Liquid
<b>Odor:</b>	Conforms to Standard
<b>Color:</b>	Yellow/Golden Yellow (G5-8)
<b>Viscosity:</b>	Liquid
<b>Freezing Point:</b>	Not determined
<b>Boiling Point:</b>	Not determined
<b>Melting Point:</b>	Not determined
<b>Flashpoint (CCCFP):</b>	77.78 C
<b>Auto flammability:</b>	Not determined
<b>Explosive Properties:</b>	None Expected
<b>Oxidizing properties:</b>	None Expected
<b>Vapor Pressure (mmHg@20 C):</b>	0.1839
<b>%VOC:</b>	11.15
<b>Specific Gravity @ 25 C:</b>	0.1839
<b>Density (g/mL) @ 25 C:</b>	1.0390
<b>Refractive Index @ 20 C:</b>	1.5610
<b>Soluble in:</b>	Oil

**10. Stability and Reactivity**

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

**11. Toxicological Information****11.1 Toxicological Effects**

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

<b>Acute toxicity - Oral - (Rat) mg/kg</b>	(LD50: 1865.4527) Harmful if swallowed
<b>Acute toxicity - Dermal - (Rabbit) mg/kg</b>	(LD50: 3162.4302) May be harmful in contact with skin
<b>Acute toxicity - Inhalation - (Rat) mg/L/4hr</b>	(LD50: 41.6851) May be harmful if inhaled
<b>Skin corrosion / irritation</b>	Causes skin irritation
<b>Serious eye damage / irritation</b>	Not classified - the classification criteria are not met

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<b>Respiratory sensitization</b>	Not classified - the classification criteria are not met
<b>Skin sensitization</b>	Sensitization - Skin Category 1
<b>Germ cell mutagenicity</b>	Not classified - the classification criteria are not met
<b>Carcinogenicity</b>	Not classified - the classification criteria are not met
<b>Reproductive toxicity</b>	May damage fertility or the unborn child
<b>Specific target organ toxicity - single exposure</b>	Not classified - the classification criteria are not met
<b>Specific target organ toxicity - repeated exposure</b>	Not classified - the classification criteria are not met
<b>Aspiration hazard</b>	Not classified - the classification criteria are not met

## 12. Ecological Information

### 12.1 Toxicity

<b>Acute aquatic toxicity</b>	Very Toxic to aquatic life Toxic to aquatic life with long lasting effects
<b>Chronic aquatic toxicity</b>	no data available
<b>Toxicity Data on soil</b>	no data available
<b>Toxicity on other organisms</b>	no data available
<b>12.2 Persistence and degradability</b>	no data available
<b>12.3 Bioaccumulative potential</b>	no data available
<b>12.4 Mobility in soil</b>	no data available
<b>12.5 Other adverse effects</b>	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 :  
120-51-4 : (30 - 40 %) : Benzyl Benzoate

### ADR/RID (International Road/Rail)

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.	9	III	UN3082
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### IATA (Air Cargo)

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S	9	III	UN3082
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### IMDG (Sea)

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.	9	III	UN3082
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**15. Regulatory Information****U.S. Federal Regulations**

**TSCA (Toxic Substance Control Act)** All components of the substance/mixture are listed or exempt  
**40 CFR(EPCRA, SARA, CERCLA and CAA)** This product contains NO components of concern.

**U.S. State Regulations**

**California Proposition 65 Warning** This product contains the following  
 components: 123-35-3(NF 204-622-5 0.1 - 1.0 % beta-Myrcene (Natural Source)  
 94-59-7 202-345-4 <= 60 ppm Safrole (Natural Source)  
 93-15-2 202-223-0 <= 55 ppm Methyl Eugenol (Natural Source)  
 75-07-0 200-836-8 <= 25 ppm Acetaldehyde

**Canadian Regulations**

**DSL** 100.00% of the components are listed or exempt

**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	

**Total Fractional Values**

(TFV) Risk	(TFV) Risk
(119.95) Acute Toxicity Inhalation, Category 5	(33.35) Sensitization, Skin, Category 1B
(16.13) Aquatic Chronic Toxicity, Category 3	(15.00) Sensitization, Skin, Category 1A
(2.50) Reproductive Toxicity, Category 1B	(2.08) Skin Corrosion/Irritation, Category 3
(1.99) Aquatic Chronic Toxicity, Category 4	(1.83) Aquatic Acute Toxicity, Category 1
(1.58) Acute Toxicity Dermal, Category 5	(1.57) Aquatic Chronic Toxicity, Category 2
(1.33) Skin Corrosion/Irritation, Category 2	(1.07) Acute Toxicity Oral, Category 4
(1.07) Aspiration Hazard, Category 1	

**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.