

Product: **Christmas Ale**

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: Christmas Ale

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

Acute Toxicity - Oral Category 5	H303 : May be harmful if swallowed.
Skin Irritation Category 2	H316 : Causes mild skin irritation
Sensitization, Skin, Category 1A	H317 : May cause an allergic skin reaction
Eye Damage/Eye Irritation, Category 2A	H319 : Causes serious eye irritation
Aquatic Acute, Category 2	H401 : Toxic to aquatic life.
Aquatic Chronic Toxicity, Category 3	H412 : Harmful to aquatic life with long lasting effects

Classification OSHA (Provisions 1910.1200 of title 29)

Skin Irritation Category 2	H316 : Causes mild skin irritation
Sensitization - Skin Category 1	H317 : May cause an allergic skin reaction.
Eye Damage / Irritation Category 2	H319 : Causes serious eye irritation.

Classification Other

Carcinogenicity

This mixture does not contain 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**

H303	May be harmful if swallowed
H316	Causes mild skin irritation.
H317	May cause an allergic skin reaction
H319	Causes serious eye irritation.
H401	Toxic to aquatic life
H412	Harmful to aquatic life with long lasting effects

Precautionary Statements**Prevention:**

P261	Avoid breathing vapour 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:

P302 + P352	IF ON SKIN: Wash with soap and water
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes Remove contact lenses if present and easy to do. continue rinsing
P333 + P313	If skin irritation or a rash occurs: Get medical advice/attention
P337 + P313	If eye irritation persists: Get medical advice/attention
P312	Call a POISON CENTRE or doctor/physician if you feel unwell.
P363	Wash contaminated clothing before reuse..
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
alpha-Methylcinnamaldehyde	101-39-3	10-<20%	H303- H317-H401
Eugenol	97-53-0	10-<20%	H303-H316-H317-H319-H401
2-tert-Butylcyclohexyl acetate	88-41-5	10-<20%	H227-H303-H316-H411

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Hexyl acetate	142-92-7	5-<10%	H226-H316- H401
Citronellyl acetate	150-84-5	1-<5%	H315- H411
Tricyclodecyl acetate	5413-60-5	1-<5%	H303-H316- H402
Piperonal	120-57-0	1-<5%	H303- H317-H401
gamma-Undecalactone	104-67-6	1-<5%	H316- H412
Ethyl 2-methyl-1,3-dioxolane-2-acetate	6413-10-1	1-<5%	H227-H316
alpha-Hexylcinnamaldehyde	101-86-0	1-<5%	H303-H316-H317-H400-H411
Ethyl maltol	4940-11-8	1-<5%	H302-H401
Ethylene brassylate	105-95-3	1-<5%	H401
Cinnamaldehyde	104-55-2	1-<5%	H303- H312-H315-H317-H319-H401-H412
Ethyl vanillin	121-32-4	1-<5%	H303-H320- H402
Geranyl acetate	105-87-3	1-<5%	H315-H317-H401-H412
Phenethyl acetate	103-45-7	0.1-<1%	H303-H318- H402
ORANGE OIL FLORIDA	8028-48-6	0.1-<1%	H226-H304-H315- H317-H411
LILIAL SUB		0.1-<1%	H315-H317-H319
2,4-Dimethyl-3-cyclohexen-1-carboxaldehyde	68039-49-6	0.1-<1%	H227- H303-H315-H317-H319-H411
beta-Caryophyllene	87-44-5	0.1-<1%	H304- H317-H413

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:	May be harmful if swallowed Causes mild skin irritation May cause an allergic skin reaction. Causes serious eye irritation
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Risks:	Refer to Section 2.2 "Hazard Statements"
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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: Carbon monoxide, Unidentified organic compounds

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

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

Keep away from heat, sparks, open flames and hot surfaces. - No smoking. Use personal protective equipment as required. Use in accordance with good manufacturing and industrial hygiene practices. Use in areas with adequate ventilation. 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.

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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:	Liquid
Odor:	Characteristic
Color:	1 Very Pale Yellow - 3 Very Pale Yellow
Viscosity:	Liquid
Freezing Point:	Not determined
Boiling Point:	Not determined
Melting Point:	Not determined
Flashpoint (CCCFP):	>93 °C
Auto flammability:	Not determined
Explosive Properties:	None Expected
Oxidizing properties:	None Expected
Vapor Pressure (mmHg@20 C):	Not determined
%VOC:	0.60
Specific Gravity @ 25 C:	Not determined
Density (g/mL) @ 25 C:	0.9730 - 0.9830
Refractive Index @ 20 C:	1.4904 - 1.5004
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	4719
Acute toxicity - Dermal - (Rabbit) mg/kg	>5000
Acute toxicity - Inhalation - (Rat) mg/L/4hr	Not Available
Skin corrosion / irritation	Based on available data the classification criteria are not met.

Product: **Christmas Ale****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

Information about hazardous ingredients in the mixture

Ingredient	CAS	LD50/ATE Oral	LD50/ATE Dermal	LC50/ATE Inhalation	LC50 Route
2-tert-Butylcyclohexyl acetate	88-41-5	4600	Not available	Not available	Not available
Cinnamaldehyde	104-55-2	2200	1100	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
Eugenol	97-53-0	2500	Not available	Not available	Not available
Piperonal	120-57-0	2700	Not available	Not available	Not available
Tricyclodeceny acetate	5413-60-5	3050	Not available	Not available	Not available
alpha-Hexylcinnamaldehyde	101-86-0	3100	Not available	Not available	Not available
alpha-Methylcinnamaldehyde	101-39-3	2050	Not available	Not available	Not available

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

Very toxic to aquatic life.

Chronic aquatic toxicity

Toxic to aquatic life with long lasting effects

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

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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 No

ADR/RID (International Road/Rail) Not classified

IATA (Air Cargo) Not classified

IMDG (Sea) Not classified

15. Regulatory Information

Essential Oil Components:

Name	CAS	%
ORANGE OIL FLORIDA	8028-48-6	0.1-<1%

Additional formulation properties

Name	CAS	%
Ethyl vanillin	121-32-4	1-<5%
Vanillin	121-33-5	<0.1%

Components listed on California's SB312

Name	CAS	%
DIOCTYL ADIPATE (S) "DOA"	103-23-1	20-<50%
EUGENOL	97-53-0	10-<20%
HEXYL CINNAMIC ALDEHYDE (R)	101-86-0	1-<5%
CINNAMIC ALDEHYDE	104-55-2	1-<5%

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

H226 : Flammable liquid and vapour

H227 : Combustible liquid

H304 : May be fatal if swallowed and enters airways

H315 : Causes skin irritation

H317 : May cause an allergic skin reaction

H318 : Causes serious eye damage

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H401 : Toxic to aquatic life

H402 : Harmful to aquatic life

H411 : Toxic to aquatic life with long lasting effects

H412 : Harmful to aquatic life with long lasting effects

Concentration % Limits:

SCI 3=8.06% EDI 2A=39.78% SS 1=5.79% EH A2=32.42% EH A3=3.22%
EH C3=14.70%

Total Fractional Values:

SCI 3=12.41 EDI 2A=2.51 SS 1=17.26 EH A2=3.08 EH A3=31.09 EH
C3=6.80

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.