

Safety Data Sheet

SDS v1 GHS / OSHA

Revised Date: 2019-07-22 00:00

Product: **Balsam Fir**
Product#:
SKU#: **bal**

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Print Date: 2019-10-17 15:18

1. Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Trade Name: Balsam Fir

Product/Sales No:

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

Wellington Fragrance
33306 Glendale St.
Livonia, MI 48150 USA
734-261-5531

1.4 Emergency telephone number

(800) 255-3924 Domestic USA, Canada, Puerto Rico, and US Virgin Islands

+1 813 248-0585 International

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 5 | H303 : May be harmful if swallowed |
| 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 1B | 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 |
| Skin Corrosion/Irritation, Category 2 | H315 : Causes skin irritation |
| Aquatic Acute Toxicity, Category 1 | H400 : Very Toxic to aquatic life |

Classification Other

Carcinogenicity This mixture contains ingredients identified as carcinogens, at 0.1% or greater, by the following: None [] ACGIH [] IARC [X] NTP [] OSHA []

2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008)

Hazard pictograms



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Signal Word: Warning

Hazard statements

| | |
|------|---|
| H227 | Combustible liquid |
| H303 | May be harmful if swallowed |
| 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 |
| H400 | Very Toxic to aquatic life |
| H411 | Toxic to aquatic life with long lasting effects |

Precautionary Statements

Prevention:

| | |
|------|---|
| P235 | Keep cool |
| P264 | Wash hands thoroughly after handling |
| P272 | Contaminated work clothing should not be allowed out of the workplace |
| P273 | Avoid release to the environment |

Response:

| | |
|-------------|---|
| 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 |
| P312 | Call a POISON CENTER or doctor/physician if you feel unwell |
| 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 ₂), 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):

| CAS# Ingredient | EC# | Conc. Range | GHS Classification |
|--|-----------|----------------|------------------------|
| 120-51-4 <i>Benzyl Benzoate</i> | 204-402-9 | 40 - 50 % | H302; H313; H400; H411 |
| 125-12-2 <i>Isobornyl acetate</i> | 204-727-6 | 10 - 20 % | H227; H316; H401 |
| 8050-15-5 <i>Methyl ester of rosin (partially hydrogenated)</i> | 232-476-2 | 5 - 10 % | H402; H412 |

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| CAS# Ingredient | EC# | Conc. Range | GHS Classification |
|--|-----------|----------------|------------------------------|
| 32210-23-4 <i>4-tert-Butylcyclohexyl acetate</i> | 250-954-9 | 2 - 5 % | H303; H317; H401 |
| 18479-58-8 <i>2,6-dimethyloct-7-en-2-ol</i> | 242-362-4 | 2 - 5 % | H227; H303; H315; H319; H402 |
| 101-86-0 <i>Hexyl cinnamaldehyde</i> | 202-983-3 | 2 - 5 % | H303; H316; H317; H400; H411 |
| 8007-35-0 <i>Terpineol acetate</i> | 232-357-5 | 2 - 5 % | H316; H401; H411 |
| 140-11-4 <i>Benzyl acetate</i> | 205-399-7 | 2 - 5 % | H303; H401; H412 |
| 115-95-7 <i>Linalyl Acetate</i> | 204-116-4 | 2 - 5 % | H227; H315; H317; H320; H402 |
| 2050-08-0 <i>Amyl salicylate</i> | 218-080-2 | 1 - 2 % | H302; H400; H410 |
| 105-95-3 <i>Ethylene brassylate</i> | 203-347-8 | 1 - 2 % | H401 |
| 68608-32-2 <i>Cedarwood oil terpenes</i> | 294-461-7 | 1 - 2 % | H304; H400; H410 |
| 127-51-5 <i>a-Isomethyl ionone</i> | 204-846-3 | 1 - 2 % | H316; H317; H320; H401; H411 |
| 91-64-5 <i>Coumarin</i> | 202-086-7 | 1 - 2 % | H302; H317; H402 |
| 5392-40-5 <i>Citral</i> | 226-394-6 | 0.1 - 1.0 % | H313; H315; H317; H319; H401 |

See Section 16 for full text of GHS classification codes

See Section 16 for full text of GHS classification codes which were not shown in section 2

Total Hydrocarbon Content (% w/w) = 1.92

4. First Aid Measures

4.1 Description of first aid measures

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

4.2 Most important symptoms and effects, both acute and delayed

| | |
|------------------|--|
| Symptoms: | no data available |
| Risks: | Refer to Section 2.2 "Hazard Statements" |

4.3 Indication of any immediate medical attention and special treatment needed

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Treatment: Refer to Section 2.2 "Response"

5. Fire-Fighting measures

5.1 Extinguishing media

Suitable: Carbon dioxide (CO₂), 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: Standard procedure for chemical fires

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:

Component

140-11-4 *Benzyl acetate*

| ACGIH TWA ppm | ACGIH STEL ppm | OSHA TWA ppm | OSHA STEL ppm |
|------------------|-------------------|-----------------|------------------|
|------------------|-------------------|-----------------|------------------|

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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: Liquid
Odor: Conforms to Standard
Color: Nearly Colorless to Pale Yellow (G0-2)
Viscosity: Liquid
Freezing Point: Not determined
Boiling Point: Not determined
Melting Point: Not determined
Flashpoint (CCCFP): 192 F (88.89 C)
Auto flammability: Not determined
Explosive Properties: None Expected
Oxidizing properties: None Expected
Vapor Pressure (mmHg@20 C): 0.0989
%VOC: 0.10
Specific Gravity @ 25 C: 1.0250
Density @ 25 C: 1.0220
Refractive Index @ 20 C: 1.5130
Soluble in: Oil

10. Stability and Reactivity

10.1 Reactivity None
10.2 Chemical stability Stable
10.3 Possibility of hazardous reactions None known
10.4 Conditions to avoid None known
10.5 Incompatible materials Strong oxidizing agents, strong acids, and alkalis
10.6 Hazardous decomposition products None known

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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 | (LD50: 2261.9976) May be harmful if swallowed |
| Acute toxicity - Dermal - (Rabbit) mg/kg | (LD50: 3701.1212) May be harmful in contact with skin |
| Acute toxicity - Inhalation - (Rat) mg/L/4hr | (LD50: 79.2807) May be harmful if inhaled |
| Skin corrosion / irritation | May be harmful if inhaled |
| Serious eye damage / irritation | Not classified - the classification criteria are not met |
| Respiratory sensitization | Not classified - the classification criteria are not met |
| Skin sensitization | May cause an allergic skin reaction |
| 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 |

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

13. Disposal Conditions

13.1 Waste treatment methods

Do not allow product to reach sewage systems. Dispose of in accordance with all local and national regulations. Send to a licensed waste management company. The product should not be allowed to enter drains, water courses or the soil. Do not contaminate ponds, waterways or ditches with chemical or used container.

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14. Transport Information

| | | | | |
|--|--|-------------------|-----------------|---------------|
| Marine Pollutant | Yes. Ingredient of greatest environmental impact : 120-51-4 : (40 - 50 %) : Benzyl Benzoate | | | |
| Regulator | Class | Pack Group | Sub Risk | UN-nr. |
| U.S. DOT (Non-Bulk) Chemicals NOI | Not Regulated - Not Dangerous Goods | | | |
| 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, Liquid, n.o.s. | 9 | III | | UN3082 |

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:
119-61-9 204-337-6 0.1 - 1.0 % Benzophenone
123-35-3(NF 204-622-5 <= 30 ppm beta-Myrcene (Natural Source)

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

| | |
|---|--|
| H302 : Harmful if swallowed | H304 : May be fatal if swallowed and enters airways |
| H316 : Causes mild skin irritation | H317 : May cause an allergic skin reaction |
| 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 |
| (63.07) Acute Toxicity Inhalation, Category 5 | (42.59) Aquatic Chronic Toxicity, Category 3 |
| (4.23) Aquatic Chronic Toxicity, Category 2 | (3.58) Skin Corrosion/Irritation, Category 3 |
| (3.50) Sensitization, Skin, Category 1B | (2.66) Aquatic Chronic Toxicity, Category 4 |
| (2.21) Acute Toxicity Oral, Category 5 | (2.09) Aquatic Acute Toxicity, Category 1 |

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(2.01) Sensitization, Skin, Category 1

(1.35) Acute Toxicity Dermal, Category 5

(1.09) Skin Corrosion/Irritation, Category 2

Remarks

This safety data sheet is based on the properties of the material known to Wellington Fragrance 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 Wellington Fragrance holds no responsibility. This document is not intended for quality assurance purposes.