

Product: **Tomato Leaf**

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: Tomato Leaf

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, Hazard Category 4 | H227 : Combustible liquid |
| Acute Toxicity Oral, Category 5 | H303 : May be 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 1B | H317 : May cause an allergic skin reaction |
| Eye Damage/Eye Irritation, Category 2A | H319 : Causes serious eye irritation |
| Acute Aquatic 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 Liquid, Hazard Category 4 | H227 : Combustible liquid |
| Skin Corrosion/Irritation, Category 2 | H315 : Causes skin irritation |
| Sensitization, Skin, Category 1B | H317 : May cause an allergic skin reaction |
| Eye Damage/Eye Irritation, Category 2A | 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: Danger**Hazard statements**

| | |
|------|---|
| H227 | Combustible liquid. |
| H303 | May be harmful if swallowed. |
| H304 | May be fatal if swallowed and enters airways |
| H315 | Causes skin irritation |
| 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 vapour or dust |
| P264 | Wash hands thoroughly after handling |
| 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 + 310 | IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. |
| 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. |
| P312 | Call a POISON CENTRE or doctor/physician if you feel unwell. |
| P331 | Do not induce vomiting. |
| P333 + 313 | If skin irritation or rash occurs: Get medical advice/attention. |
| P337 + 313 | If eye irritation persists: Get medical advice/attention. |
| P362 | Take off contaminated clothing and wash 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. |
| P405 | Store locked up. |
| 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):

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| Name | CAS | % | GHS Classification |
|-------------------------------|------------|---------|--------------------------------|
| Benzyl benzoate | 120-51-4 | 20-<50% | H302-H313-H400-H411 |
| alpha-Methylbenzyl acetate | 93-92-5 | 10-<20% | H227-H402 |
| d-Limonene | 5989-27-5 | 10-<20% | H226-H304-H315- H317-H400-H412 |
| Linalyl acetate | 115-95-7 | 10-<20% | H227-H315-H317-H320-H402 |
| alpha-Hexylcinnamaldehyde | 101-86-0 | 5-<10% | H303-H316-H317-H400-H411 |
| Hexyl salicylate | 6259-76-3 | 5-<10% | H316-H317-H410 |
| Methyl dihydrojasmonate | 24851-98-7 | 1-<5% | H402 |
| Linalool | 78-70-6 | 1-<5% | H227-H303-H315-H317- H319-H402 |
| 5-Methyl-3-heptanone oxime | 22457-23-4 | 1-<5% | H303-H316-H412 |
| Allyl (3-methylbutoxy)acetate | 67634-00-8 | 1-<5% | H227-H302-H315-H330-H401 |
| beta-Pinene | 127-91-3 | 1-<5% | H226-H304-H315- H317-H410 |
| Allyl cyclohexanepropionate | 2705-87-5 | 1-<5% | H302-H312-H317- H332-H410 |
| Benzyl salicylate | 118-58-1 | 1-<5% | H303-H317-H320-H401-H412 |
| Eugenol | 97-53-0 | 0.1-<1% | H303-H316-H317-H319-H401 |

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: | IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. |

4.2 Most important symptoms and effects, both acute and delayed

| | |
|------------------|--|
| Symptoms: | May be harmful if swallowed. May be fatal if swallowed and enters airways Causes skin irritation. 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

| | |
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| Suitable: | Carbon dioxide, Dry chemical, Foam |
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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. 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

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**

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**Respiratory protection:** Avoid excessive inhalation of concentrated vapors. Apply local ventilation where appropriate.**Skin protection:** Avoid Skin contact. Use chemically resistant gloves as needed.

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9. Physical and Chemical Properties

9.1 Information on basic physical and chemical properties

| | |
|-----------------------------|--------------------------------|
| Appearance: | Liquid |
| Odor: | Conforms to Standard |
| Color: | Colorless - 2 Very Pale Yellow |
| Viscosity: | Liquid |
| Freezing Point: | Not determined |
| Boiling Point: | Not determined |
| Melting Point: | Not determined |
| Flashpoint (CCCFP): | 73 C |
| Auto flammability: | Not determined |
| Explosive Properties: | None Expected |
| Oxidizing properties: | None Expected |
| Vapor Pressure (mmHg@20 C): | Not determined |
| %VOC: | 12.05 |
| Specific Gravity @ 25 C: | Not determined |
| Density (g/mL) @ 25 C: | 0.9820 - 0.9920 |
| Refractive Index @ 20 C: | 1.5030 - 1.5130 |
| 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 | Strong oxidizing agents, strong acids, and alkalis. |
| 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 | 3144 |
| Acute toxicity - Dermal - (Rabbit) mg/kg | >5000 |
| Acute toxicity - Inhalation - (Rat) mg/L/4hr | Not Available |
| Skin corrosion / irritation | Causes skin irritation |
| Serious eye damage / irritation | Causes serious eye irritation |
| Respiratory sensitization | Not classified - the classification criteria are not met |

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|---|--|
| 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 | Aspiration Hazard Category 1 |

Information about hazardous ingredients in the mixture

| Ingredient | CAS | LD50/ATE Oral | LD50/ATE Dermal | LC50/ATE Inhalation | LC50 Route |
|--------------------------------|------------|---------------|-----------------|---------------------|----------------|
| 5-Methyl-3-heptanone oxime | 22457-23-4 | 3500 | Not available | Not available | Not available |
| Allyl (3-methylbutoxy) acetate | 67634-00-8 | 500 | Not available | 0.46 | Dust/mist mg/l |
| Allyl cyclohexanepropionate | 2705-87-5 | 480 | 1600 | 11 | Not available |
| Benzyl benzoate | 120-51-4 | 1500 | 4000 | Not available | Not available |
| Benzyl salicylate | 118-58-1 | 2200 | Not available | Not available | Not available |
| Linalool | 78-70-6 | 2790 | Not available | Not available | Not available |
| alpha-Hexylcinnamaldehyde | 101-86-0 | 3100 | 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

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14. Transport Information**Marine Pollutant**Yes. Ingredient of greatest environmental impact :
(Hexyl salicylate, Benzyl benzoate)**ADR/RID (International Road/Rail)**

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|---|---|-----|--------|
| 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

Components listed on California's SB312

| Name | CAS | % |
|-------------------------------|-----------|---------|
| BENZYL BENZOATE | 120-51-4 | 20-<50% |
| D-LIMONENE | 5989-27-5 | 10-<20% |
| HEXYL CINNAMIC ALDEHYDE (R) | 101-86-0 | 5-<10% |
| LINALOOL | 78-70-6 | 1-<5% |
| BENZYL SALICYLATE (R) | 118-58-1 | 1-<5% |
| EUGENOL | 97-53-0 | 0.1-<1% |

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

| | |
|---|--|
| H227 : Combustible liquid | H302 : Harmful if swallowed |
| H314 : Causes severe skin burns and eye damage | H316 : Causes mild skin irritation |
| H318 : Causes serious eye damage | H320 : Causes eye irritation |
| H361 : Suspected of damaging fertility or the unborn child | H400 : Very Toxic to aquatic life |
| 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:

SCI 2=33.66% SCI 3=3.37% EDI 2A=68.49% EDI 2B=90.09% SS 1=8.
30% AH 1=71.68% EH A1=41.57% EH A2=4.13% EH A3=0.41096926% EH
C2=18.94% EH C3=1.87% EH C4=39.25%

Total Fractional Values:

SCI 2=2.97 SCI 3=29.71 EDI 2A=1.46 EDI 2B=1.11 SS 1=12.05 AH 1=1.
40 EH A1=2.41 EH A2=24.19 EH A3=243.33 EH C2=5.28 EH C3=53.41 EH
C4=2.55

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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.