

**SECTION 1: Identification****1.1 Product identifier**

Product name SFV OG  
Brand True Terpenes

**1.4 Supplier's details**

Name True Terpenes  
Address Portland , Oregon  
Telephone (888) 954-8550  
email info@TrueTerpenes.com

**1.5 Emergency phone number(s)**

Poison Control Help Line:  
1 (800) 222-1222

**SECTION 2: Hazard identification****2.1 Classification of the substance or mixture**

- Aspiration hazard (chapter 3.10), Cat. 1
- Eye damage/irritation (chapter 3.3), Cat. 2A
- Flammable liquids (chapter 2.6), Cat. 3
- Skin corrosion/irritation (chapter 3.2), Cat. 2
- Acute toxicity, dermal (chapter 3.1), Cat. 5
- Acute toxicity, oral (chapter 3.1), Cat. 5
- Hazardous to the aquatic environment - acute hazard (chapter 4.1), Cat. 1
- Hazardous to the aquatic environment - long-term hazard (chapter 4.1), Cat. 1
- Sensitization, skin (chapter 3.4), Cat. 1
- Flammable liquids (chapter 2.6), Cat. 4
- Specific target organ toxicity, single exposure (chapter 3.8), Cat. 3
- Acute toxicity, dermal (chapter 3.1), Cat. 4
- Hazardous to the aquatic environment - acute hazard (chapter 4.1), Cat. 3
- Acute toxicity, inhalation (chapter 3.1), Cat. 4
- Acute toxicity, oral (chapter 3.1), Cat. 4
- Hazardous to the aquatic environment - acute hazard (chapter 4.1), Cat. 2
- Hazardous to the aquatic environment - long-term hazard (chapter 4.1), Cat. 2
- Hazardous to the aquatic environment - long-term hazard (chapter 4.1), Cat. 3

**2.2 GHS label elements, including precautionary statements**

**Pictogram**

**Signal word****Danger****Hazard statement(s)**

|                |                                                          |
|----------------|----------------------------------------------------------|
| H226           | Flammable liquid and vapor                               |
| H227           | Combustible liquid                                       |
| H302           | Harmful if swallowed                                     |
| H302+H312+H332 | Harmful if swallowed, in contact with skin or if inhaled |
| H303           | May be harmful if swallowed                              |
| H303+H313      | May be harmful if swallowed or in contact with skin      |
| H304           | May be fatal if swallowed and enters airways             |
| H312           | Harmful in contact with skin                             |
| H313           | May be harmful in contact with skin                      |
| H315           | Causes skin irritation                                   |
| H315+H320      | Causes skin and eye irritation                           |
| H317           | May cause an allergic skin reaction                      |
| H319           | Causes serious eye irritation                            |
| H332           | Harmful if inhaled                                       |
| H335           | May cause respiratory irritation                         |
| H336           | May cause drowsiness or dizziness                        |
| 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     |
| H411           | Toxic to aquatic life with long lasting effects          |
| H412           | Harmful to aquatic life with long lasting effects        |

**Precautionary statement(s)**

|           |                                                                                                 |
|-----------|-------------------------------------------------------------------------------------------------|
| P210      | Keep away from heat, hot surfaces, sparks, open flames, and other ignition sources. No smoking. |
| P233      | Keep container tightly closed.                                                                  |
| P240      | Ground/bond container and receiving equipment.                                                  |
| P241      | Use explosion-proof electrical/ventilating/lighting/.../equipment.                              |
| P261      | Avoid breathing dust/fume/gas/mist/vapours/spray.                                               |
| P242      | Use only non-sparking tools.                                                                    |
| P272      | Contaminated work clothing should not be allowed out of the workplace.                          |
| P243      | Take precautionary measures against static discharge.                                           |
| P271      | Use only outdoors or in a well-ventilated area.                                                 |
| P273      | Avoid release to the environment.                                                               |
| P264      | Wash ... thoroughly after handling.                                                             |
| P302+P352 | IF ON SKIN: Wash with plenty of water/...                                                       |
| P312      | Call a POISON CENTER/doctor/... if you feel unwell.                                             |
| P280      | Wear protective gloves/protective clothing/eye protection/face protection.                      |
| P403+P233 | Store in a well ventilated place. Keep container tightly closed.                                |
| P321      | Specific treatment (see ... on this label).                                                     |
| P301+P310 | IF SWALLOWED: Immediately call a POISON CENTER/doctor/...                                       |
| P362+P364 | Take off contaminated clothing and wash it before reuse.                                        |

|                |                                                                                                                                 |
|----------------|---------------------------------------------------------------------------------------------------------------------------------|
| P303+P361+P353 | IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.                             |
| P391           | Collect spillage.                                                                                                               |
| P305+P351+P338 | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. |
| P223           | Do not allow contact with water.                                                                                                |
| P331           | Do NOT induce vomiting.                                                                                                         |
| P270           | Do not eat, drink or smoke when using this product.                                                                             |
| P332+P313      | If skin irritation occurs: Get medical advice/attention.                                                                        |
| P304+P340      | IF INHALED: Remove person to fresh air and keep comfortable for breathing.                                                      |
| P337+P313      | If eye irritation persists: Get medical advice/attention.                                                                       |
| P330           | Rinse mouth.                                                                                                                    |
| P362           | Take off contaminated clothing.                                                                                                 |
| P333+P313      | If skin irritation or a rash occurs: Get medical advice/attention.                                                              |
| P370+P378      | In case of fire: Use ... to extinguish.                                                                                         |
| P403+P235      | Store in a well ventilated place. Keep cool.                                                                                    |
| P405           | Store locked up.                                                                                                                |
| P501           | Dispose of contents/container to ...                                                                                            |
| P301+P312      | IF SWALLOWED: Call a POISON CENTER/doctor/.../if you feel unwell,                                                               |

## SECTION 3: Composition/information on ingredients

### 3.2 Mixtures

#### Hazardous components

##### 1. Myrcene

CAS no. 123-35-3

- Aspiration hazard (chapter 3.10), Cat. 1
- Eye damage/irritation (chapter 3.3), Cat. 2A
- Flammable liquids (chapter 2.6), Cat. 3
- Skin corrosion/irritation (chapter 3.2), Cat. 2

|      |                                              |
|------|----------------------------------------------|
| H226 | Flammable liquid and vapor                   |
| H226 | Flammable liquid and vapor                   |
| H304 | May be fatal if swallowed and enters airways |
| H315 | Causes skin irritation                       |
| H319 | Causes serious eye irritation                |

##### 2. Limonene

EC no. 227-813-5

CAS no. 5989-27-5

- Acute toxicity, dermal (chapter 3.1), Cat. 5
- Acute toxicity, oral (chapter 3.1), Cat. 5
- Aspiration hazard (chapter 3.10), Cat. 1

- Flammable liquids (chapter 2.6), Cat. 3
- Hazardous to the aquatic environment - acute hazard (chapter 4.1), Cat. 1
- Hazardous to the aquatic environment - long-term hazard (chapter 4.1), Cat. 1
- Sensitization, skin (chapter 3.4), Cat. 1
- Skin corrosion/irritation (chapter 3.2), Cat. 2

|           |                                                      |
|-----------|------------------------------------------------------|
| H226      | Flammable liquid and vapor                           |
| H303+H313 | May be harmful if swallowed or in contact with skin  |
| H304      | May be fatal if swallowed and enters airways         |
| H315      | Causes skin irritation                               |
| H317      | May cause an allergic skin reaction                  |
| H400      | Very toxic to aquatic life                           |
| H410      | Very toxic to aquatic life with long lasting effects |

### 3. Beta Caryophyllene

CAS no. 87-44-5

### 4. Humulene

CAS no. 6753-98-6

- Eye damage/irritation (chapter 3.3), Cat. 2A
- Flammable liquids (chapter 2.6), Cat. 4
- Skin corrosion/irritation (chapter 3.2), Cat. 2
- Specific target organ toxicity, single exposure (chapter 3.8), Cat. 3

|      |                                  |
|------|----------------------------------|
| H227 | Combustible liquid               |
| H315 | Causes skin irritation           |
| H319 | Causes serious eye irritation    |
| H335 | May cause respiratory irritation |

### 5. Linalool

EC no. 201-134-4

CAS no. 78-70-6

- Acute toxicity, dermal (chapter 3.1), Cat. 4
- Acute toxicity, oral (chapter 3.1), Cat. 5
- Eye damage/irritation (chapter 3.3), Cat. 2A
- Flammable liquids (chapter 2.6), Cat. 4
- Hazardous to the aquatic environment - acute hazard (chapter 4.1), Cat. 3
- Skin corrosion/irritation (chapter 3.2), Cat. 2

|           |                                |
|-----------|--------------------------------|
| H227      | Combustible liquid             |
| H303      | May be harmful if swallowed    |
| H312      | Harmful in contact with skin   |
| H315      | Causes skin irritation         |
| H315+H320 | Causes skin and eye irritation |
| H319      | Causes serious eye irritation  |

H402 Harmful to aquatic life

**6. Beta Pinene**

EC no. No data available.  
CAS no. 127-91-3

- Acute toxicity, dermal (chapter 3.1), Cat. 4
- Acute toxicity, inhalation (chapter 3.1), Cat. 4
- Acute toxicity, oral (chapter 3.1), Cat. 4
- Aspiration hazard (chapter 3.10), Cat. 1
- Eye damage/irritation (chapter 3.3), Cat. 2A
- Flammable liquids (chapter 2.6), Cat. 3
- Sensitization, skin (chapter 3.4), Cat. 1
- Skin corrosion/irritation (chapter 3.2), Cat. 2
- Specific target organ toxicity, single exposure (chapter 3.8), Cat. 3

H226 Flammable liquid and vapor  
H302+H312+H332 Harmful if swallowed, in contact with skin or if inhaled  
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  
H335 May cause respiratory irritation

**7. Alpha Pinene**

CAS no. 80-56-8

- Aspiration hazard (chapter 3.10), Cat. 1
- Flammable liquids (chapter 2.6), Cat. 3
- Hazardous to the aquatic environment - acute hazard (chapter 4.1), Cat. 3
- Sensitization, skin (chapter 3.4), Cat. 1
- Skin corrosion/irritation (chapter 3.2), Cat. 2

H226 Flammable liquid and vapor  
H304 May be fatal if swallowed and enters airways  
H315 Causes skin irritation  
H317 May cause an allergic skin reaction  
H402 Harmful to aquatic life

**8. Alpha Bisabolol**

CAS no. 515-69-5

- Hazardous to the aquatic environment - acute hazard (chapter 4.1), Cat. 2
- Hazardous to the aquatic environment - long-term hazard (chapter 4.1), Cat. 2

H411 Toxic to aquatic life with long lasting effects

**9. Terpineol**

CAS no. 8000-41-7

- Eye damage/irritation (chapter 3.3), Cat. 2A
- Skin corrosion/irritation (chapter 3.2), Cat. 2

H315 Causes skin irritation  
H319 Causes serious eye irritation

**10. Fenchol**

CAS no. 1632-73-1

- Eye damage/irritation (chapter 3.3), Cat. 2A
- Hazardous to the aquatic environment - acute hazard (chapter 4.1), Cat. 3
- Hazardous to the aquatic environment - long-term hazard (chapter 4.1), Cat. 3
- Skin corrosion/irritation (chapter 3.2), Cat. 2
- Specific target organ toxicity, single exposure (chapter 3.8), Cat. 3

H315 Causes skin irritation  
H319 Causes serious eye irritation  
H335 May cause respiratory irritation  
H412 Harmful to aquatic life with long lasting effects

**SECTION 4: First-aid measures****4.1 Description of necessary first-aid measures**

|                                                        |                                                                                                                             |
|--------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|
| General advice                                         | Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.                   |
| If inhaled                                             | If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.             |
| In case of skin contact                                | Wash off with soap and plenty of water. Consult a physician.                                                                |
| In case of eye contact                                 | Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.                                      |
| If swallowed                                           | Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician. |
| Personal protective equipment for first-aid responders | No data available.                                                                                                          |

**4.2 Most important symptoms/effects, acute and delayed**

No data available.

- 4.3 Indication of immediate medical attention and special treatment needed, if necessary**  
No data available.

## SECTION 5: Fire-fighting measures

- 5.1 Suitable extinguishing media**  
Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

**5.2 Specific hazards arising from the chemical**

-----  
Myrcene: Carbon oxides.

-----  
Limonene: Static charges generated by emptying package in or near flammable vapor may cause flash fire. Fire may produce irritating, corrosive and / or toxic gases.

-----  
Fenchol: No data available.

- 5.3 Special protective actions for fire-fighters**  
Wear self-contained breathing apparatus for firefighting if necessary.

**Further information**  
No data available.

## SECTION 6: Accidental release measures

- 6.1 Personal precautions, protective equipment and emergency procedures**  
Use personal protective equipment. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Beware of vapors accumulating to form explosive concentrations. Vapors can accumulate in low areas. Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
- 6.2 Environmental precautions**  
No data available.
- 6.3 Methods and materials for containment and cleaning up**  
Contain spillage, and then collect with an electrically protected vacuum cleaner or by wet-brushing and place in container for disposal according to local regulations.

## SECTION 7: Handling and storage

- 7.1 Precautions for safe handling**

Avoid contact with skin and eyes. Avoid inhalation of vapor or mist. Keep away from sources of ignition. No smoking. Take measures to prevent the buildup of electrostatic charge. Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

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

Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Recommended storage temperature: 2-8°C. Store under inert gas. Air sensitive.

**Specific end use(s)**

Burn in a chemical incinerator equipped with an afterburner and scrubber but exert extra care in igniting as this material is highly flammable. Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material.

**SECTION 8: Exposure controls/personal protection****8.2 Appropriate engineering controls**

No data available.

**8.3 Individual protection measures, such as personal protective equipment (PPE)****Eye/face protection**

No data available.

**Skin protection**

No data available.

**Body protection**

No data available.

**Respiratory protection**

No data available.

**Thermal hazards**

No data available.

**Environmental exposure controls**

No data available.

**SECTION 9: Physical and chemical properties****Information on basic physical and chemical properties**

|                                               |                            |
|-----------------------------------------------|----------------------------|
| Appearance/form (physical state, color, etc.) | Clear, light yellow liquid |
| Odor                                          | Characteristic             |
| Odor threshold                                | No data available.         |
| pH                                            | No data available.         |



|                                         |                    |
|-----------------------------------------|--------------------|
| Melting point/freezing point            | No data available. |
| Initial boiling point and boiling range | No data available. |
| Flash point                             | No data available. |
| Evaporation rate                        | No data available. |
| Flammability (solid, gas)               | No data available. |
| Upper/lower flammability limits         | No data available. |
| Upper/lower explosive limits            | No data available. |
| Vapor pressure                          | No data available. |
| Vapor density                           | No data available. |
| Relative density                        | No data available. |
| Solubility(ies)                         | No data available. |
| Partition coefficient: n-octanol/water  | No data available. |
| Auto-ignition temperature               | No data available. |
| Decomposition temperature               | No data available. |
| Viscosity                               | No data available. |
| Explosive properties                    | No data available. |
| Oxidizing properties                    | No data available. |

**Other safety information**

No data available.

**SECTION 10: Stability and reactivity****10.1 Reactivity**

No data available.

**10.2 Chemical stability**

Stable under recommended storage conditions.

**10.3 Possibility of hazardous reactions**

No data available.

**10.4 Conditions to avoid**

No data available.

**10.5 Incompatible materials**

-----  
Myrcene: Strong oxidizing agents. Heat, flames and sparks.

-----  
Linalool: Avoid heat, sparks, open flames and other ignition sources. Avoid temperatures exceeding the flash point. Contact with incompatible materials. Strong oxidizing agents.

-----  
Beta Pinene: Strong oxidizing agents. Heat, flames, and sparks. Vapors may form explosive mixture with air.

-----  
Alpha Pinene: Vapors may form explosive mixture with air. Heat, flames and sparks. Strong oxidizing agents.

-----  
Terpineol: Oxidizing agents.

#### 10.6 Hazardous decomposition products

-----  
Myrcene: No data available.

-----  
Limonene: No hazardous decomposition products if stored and handled as indicated.

-----  
Alpha Bisabolol: Hazardous decomposition products formed under fire conditions. - Carbon oxides. Other decomposition products - No data available. In the event of fire: see section 5

### SECTION 11: Toxicological information

#### Information on toxicological effects

##### Acute toxicity

-----  
Myrcene: No data available.

-----  
Limonene: Maybe fatal if swallowed and enters airways. May be harmful in contact with skin. May cause an allergic skin reaction.

-----  
Linalool: LD50 Oral: Rat, 2,790 mg/kg  
LD50 Dermal: Rabbit, 2,000 mg/kg

-----  
Alpha Bisabolol: LEVOMENOL

Oral LD50 - Rat, > 5,000 mg/kg

##### Skin corrosion/irritation

-----  
Myrcene: No data available.

-----  
Limonene: Causes skin irritation.

-----  
Linalool: Causes skin irritation.  
Guinea Pig - skin irritation, 24h, Draize Test

Rabbit - irritant (OECD Guideline 405)

**Serious eye damage/irritation**

-----

Myrcene: No data available.

-----

Limonene: Direct contact with eyes may cause temporary irritation.  
Eyes - rabbit. Result: No eye irritation.  
(OECD Test Guideline 405)

-----

Linalool: Causes serious eye irritation.  
Rabbit - moderate eye irritation, Draize Test  
Rabbit - slightly irritating (OECD Guideline 405)

**Respiratory or skin sensitization**

-----

Myrcene: No data available.

-----

Limonene: May cause an allergic skin reaction.  
Mouse. Result: May cause sensitisation by skin contact.  
(OECD Test Guideline 429)

-----

Linalool: Patch-test / Human: Non-sensitizing  
Draize test / Guinea Pig: Non-sensitizing

**Germ cell mutagenicity**

-----

Myrcene: No data available.

-----

Limonene: Mouse  
Lymphocyte  
Result: Negative

Rat - Male  
Result: Negative

-----

Linalool: Results from a number of mutagenicity studies with microorganisms, mammalian cell cultures and mammals are available. Taking into account all of the information, there is no indication that the substance is mutagenic.

**Carcinogenicity**

-----

Myrcene: IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by ACGIH.

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by OSHA.

-----

Limonene: IARC Monographs: Overall Evaluation of Carcinogenicity - CARVENE (CAS 5989-27-5) 3 Not classifiable as to carcinogenicity to humans.

OSHA: Specifically Regulated Substances (29 CFR 1910.1001-1050) Not listed.

-----

Beta Caryophyllene: IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probably, possibly or confirmed human carcinogen by IARC.

ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as probably, possibly or confirmed human carcinogen by ACGIH.

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as probably, possibly or confirmed human carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as probably, possibly or confirmed human carcinogen by OSHA.

-----

Alpha Pinene: IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by OSHA.

-----

Alpha Bisabolol: IARC Monographs. Overall Evaluation of Carcinogenicity: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1052): No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

US. National Toxicology Program (NTP) Report on Carcinogens: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050): Not available.

-----

Fenchol: IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

#### **Reproductive toxicity**

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Myrcene: No data available.

-----

Limonene: This product is not expected to cause reproductive or developmental effects.

#### **Summary of evaluation of the CMR properties**

-----

Myrcene: No data available.

#### **STOT-single exposure**

-----

Myrcene: No data available.

-----

Limonene: Not classified.

-----

Linalool: Not Classified.

-----

Fenchol: Inhalation - May cause respiratory irritation.

#### **STOT-repeated exposure**

-----

Myrcene: No data available.

-----  
Limonene: Repeated dose toxicity - mouse - male and female - No observed adverse effect level - 1,650 mg/kg -  
Lowest observed adverse effect level - 3,300 mg/kg.

-----  
Linalool: Not Classified.

**Aspiration hazard**

-----  
Myrcene: No data available.

**SECTION 12: Ecological information****Toxicity**

-----  
Myrcene: No data available.

-----  
Limonene: Very toxic to aquatic life with long lasting effects. Accumulation in aquatic organisms is expected.

-----  
Linalool: Activated sludge of a predominantly domestic sewage: EC10, > 100 mg/l, 3 hours

Green Algae (*chlamydomonas variabilis*): EC50, 88.3 mg/l, 96 hours DIN 38412 Part 9 static. The details of the toxic effect related to the nominal concentration.

Daphnia magna: EC50, 20 mg/l, 48 hours DIN 38412 Part 11 static. The details of the toxic effect related to the nominal concentration.

Ide, silver or golden orfe (*leuciscus idus*): LC50, 22 - 46 mg/l, 96 hours DIN 38412 Part 15 static. The details of the toxic effect related to the nominal concentration.

Fish: LC50-R, 27.8 mg/l, 96 hours.

**Persistence and degradability**

-----  
Myrcene: No data available.

-----  
Limonene: Biodegradability: Result: 71% - Readily biodegradable. (OECD Test Guideline 301B)

-----  
Linalool: Biological/Abiological Degradation  
Test method: OECD 301D; EEC 92/69, C.4-E (aerobic), municipal sewage treatment plant effl.  
Method of analysis: BOD of the ThOD  
Degree of elimination: 60 - 70% (28 d)

Evaluation: Readily biodegradable (according to OECD criteria)

**Bioaccumulative potential**

-----  
Myrcene: No data available.

-----  
Linalool: Significant accumulation in organisms is not to be expected.

**Mobility in soil**

-----  
Myrcene: No data available.

**Results of PBT and vPvB assessment**

-----  
Myrcene: No data available.

**Other adverse effects**

-----  
Myrcene: No data available.

-----  
Limonene: EC50 Water Flea (*Daphnia pulex*) 69.6 mg/l, 48 hours

LC50 Fathead minnow (*Pimephales promelas*) 0.619 - 0.796 mg/l, 96 hours

LC50 Rainbow trout, donaldson trout (*Oncorhynchus mykiss*) 35 mg/l, 4 days

EC50 Activated sludge 3.94 mg/l

-----  
Alpha Bisabolol: An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.  
Toxic to aquatic life with long lasting effects.

**SECTION 13: Disposal considerations****Disposal of the product**

Burn in a chemical incinerator equipped with an afterburner and scrubber but exert extra care in igniting as this material is highly flammable. Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material.

**Disposal of contaminated packaging**

No data available.

**Waste treatment**

No data available.

**Sewage disposal**

No data available.

**Other disposal recommendations**

No data available.

**SECTION 14: Transport information****DOT (US)**

Not dangerous goods

**IMDG**

Not dangerous goods

**IATA**

Not dangerous goods

**SECTION 15: Regulatory information****15.1 Safety, health and environmental regulations specific for the product in question****CAA Section 112 HAPs List**

Not regulated.

**CAA Section 112(r) Accidental Release Prevention (40 CFR 68.130)**

Not regulated.

**California Prop. 65 Components**

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm. This product does not contain any chemicals known to the State of California to cause cancer, birth defects, or any other reproductive harm.

**California Proposition 65 - Carcinogens & Reproductive Toxicity (CRT): Listed Substance**

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

**CERCLA Hazardous Substance List (40 CFR 302.4)**

Not listed.

**CERCLA Hazardous Substance List (40 CFR 302.4)**

Not available.

**Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List**

Not available.

**Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)**

Not available.

**Massachusetts Right to Know Components**





Chemical name:  $\alpha$ -Pinene

CAS number: 80-56-8. No components are subject to the Massachusetts Right to Know Act.

**New Jersey Right to Know Components**

Chemical Name: 7-Methyl-3-methyleneocta-1,6-diene,

CAS Number: 123-35-3. Chemical Name: Caryophyllene

CAS Number: 87-44-5. Chemical Name: Humulene

CAS Number: 6753-98-6. (-)-Pin-2(10)-ene, CAS No: 127-91-3. 3,3-Dimethyl-8,9-dinorbornan-2-ol CAS-No. 1632-73-1. Chemical name:  $\alpha$ -Pinene

CAS number: 80-56-8. Levomenol CAS-No. 23089-26-1

**OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)**

Not listed.

**OSHA Specifically Regulated Substances (29 CFR 1910.1001-1052)**

Not available.

**Pennsylvania Right to Know Components**

Chemical Name: 7-Methyl-3-methyleneocta-1,6-diene,

CAS Number: 123-35-3. Chemical Name: Caryophyllene

CAS Number: 87-44-5. Chemical Name: Humulene

CAS Number: 6753-98-6. (-)-Pin-2(10)-ene, CAS No: 127-91-3. 3,3-Dimethyl-8,9-dinorbornan-2-ol CAS-No. 1632-73-1. Chemical name:  $\alpha$ -Pinene

CAS number: 80-56-8. Levomenol CAS-No. 23089-26-1

**Right to Know Components (Pennsylvania, New Jersey, Massachusetts)**

Terpineol, CAS No. 8000-41-7

**Safe Drinking Water Act (SDWA)**

Not available.

**SARA 302 Components**

No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

**SARA 302 Extremely Hazardous Substance**

Not listed. No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

**SARA 304 Emergency Release Notification**

Not regulated. Not available.

**SARA 311 / 312**

No SARA hazards.

**SARA 311 / 312 Hazardous Chemical**

Yes

**SARA 311 / 312 Hazards**

Fire hazard, acute health hazard. Fire hazard, acute health hazard. Acute Health Hazard. Acute health hazard.

**SARA 311/312 Hazardous Chemical**

No.

**SARA 311/312 Hazards**

Fire Hazard, Acute Health Hazard

**SARA 313 (TRI Reporting)**

Not regulated. This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.



**SARA 313 Components**

This material does not contain any chemical components with known CAS numbers that exceed the threshold reporting levels established by SARA Title III, Section 313. This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

**SARA Hazard Categories**

Immediate Hazard - Yes  
Delayed Hazard - No  
Fire Hazard - Yes  
Pressure Hazard - No  
Reactivity Hazard - No. No

**SDWA**

Not regulated.

**TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)**

Not available.

**TSCA Section 12(b) Export Notification (40 CFR 707, Subpt.D)**

Not regulated.

**US Federal Regulations**

This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

**US. California Proposition 65 CRT: Listed Substance**

Not listed.

**US. Massachusetts RTK - Substance List**

Not regulated.

**US. New Jersey Worker and Community Right-to-Know Act**

CARVENE (CAS 5989-27-5). Not listed.

**US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)**

Not listed. Not available.

**US. Pennsylvania Worker and Community Right-to-Know Law**

Not listed.

**US. Rhode Island RTK**

Not regulated.

**SECTION 16: Other information**

Issue Date: 11/01/2018

Revision Date: New Document

Version # 00

**16.1 Further information/disclaimer**

True Terpenes cannot anticipate all conditions under which this information and its product, or the products of other manufacturers in combination with its product, may be used. It is the user's responsibility to ensure safe conditions



for handling, storage and disposal of the product, and to assume liability for loss, injury, damage or expense due to improper use. The information in the sheet was written based on the best knowledge and experience currently available. The above information relates only to this product and not to its use in combination with any other material or any particular process and is designed only as guidance for the safe handling, use, processing, storage, transportation, and disposal and should not be considered as a guarantee or quality specification. This product has not been evaluated for safe use in e-cigarettes or any vaping application where the product(s) is/are intentionally vaporized and inhaled. True Terpenes has performed no testing on these products in e-cig/vaping applications. It is the sole responsibility of the individual(s) purchasing this product to assess its' safety in the final application. The above information relates only to this product and not to its use in combination with any other material or any particular process and is designed only as guidance for the safe handling, use, processing, storage, transportation, disposal, and should not be considered as a guarantee or quality specification. The above information is based on data provided by and collected from recognized sources such as distributors, manufacturers, and technical groups and is considered to be accurate to the best of True Terpenes knowledge as of the date of this document. It is the responsibility of the user to review all safety information about this product and determine its safety and suitability in their own processes and operations. Appropriate warnings and safe handling procedures should be provided to all handlers and users, taking into account the intended use and the specific conditions and factors relating to such use in accordance with all applicable laws and regulations.