

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

Product name Thin Mint Cookies  
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**

- 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
- 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
- Acute toxicity, dermal (chapter 3.1), Cat. 4
- Hazardous to the aquatic environment - acute 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
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
H335	May cause respiratory irritation
H336	May cause drowsiness or dizziness
H400	Very toxic to aquatic life
H402	Harmful to aquatic life
H410	Very toxic 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.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P264	Wash ... thoroughly after handling.
P271	Use only outdoors or in a well-ventilated area.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P302+P352	IF ON SKIN: Wash with plenty of water/...
P233	Keep container tightly closed.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
P240	Ground/bond container and receiving equipment.
P312	Call a POISON CENTER/doctor/... if you feel unwell.
P241	Use explosion-proof electrical/ventilating/lighting/.../equipment.
P332+P313	If skin irritation occurs: Get medical advice/attention.
P242	Use only non-sparking tools.
P337+P313	If eye irritation persists: Get medical advice/attention.
P243	Take precautionary measures against static discharge.
P362	Take off contaminated clothing.
P272	Contaminated work clothing should not be allowed out of the workplace.
P370+P378	In case of fire: Use ... to extinguish.
P273	Avoid release to the environment.
P403+P233	Store in a well ventilated place. Keep container tightly closed.
P301+P310	IF SWALLOWED: Immediately call a POISON CENTER/doctor/...
P403+P235	Store in a well ventilated place. Keep cool.
P303+P361+P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P405	Store locked up.
P321	Specific treatment (see ... on this label).
P501	Dispose of contents/container to ...
P331	Do NOT induce vomiting.

P362+P364  
P391  
P304+P340  
P333+P313

Take off contaminated clothing and wash it before reuse.  
Collect spillage.  
IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
If skin irritation or a rash occurs: Get medical advice/attention.

## SECTION 3: Composition/information on ingredients

### 3.2 Mixtures

#### Hazardous components

##### 1. Beta Caryophyllene

CAS no. 87-44-5

##### 2. 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

##### 3. 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

**4. 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

**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. Nerolidol**

CAS no. 7212-44-4

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

H319 Causes serious eye irritation  
H410 Very toxic 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.
In case of skin contact	Wash off with soap and plenty of water.
In case of eye contact	Flush eyes with water as a precaution.
If swallowed	Never give anything by mouth to an unconscious person. Rinse mouth with water.
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**

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Beta Caryophyllene: Carbon oxides.

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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.

**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**  
Avoid breathing vapors, mist or gas. Do not let product enter drains.
- 6.2 Environmental precautions**  
No data available.
- 6.3 Methods and materials for containment and cleaning up**  
Keep in suitable, closed containers for disposal.

**SECTION 7: Handling and storage**

- 7.1 Precautions for safe handling**  
General industrial hygiene practice.
- 7.2 Conditions for safe storage, including any incompatibilities**  
Keep container tightly closed in a dry and well-ventilated place.
- Specific end use(s)**  
Offer surplus and non-recyclable solutions to a licensed disposal company.

**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.

**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**

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Beta Caryophyllene: Strong oxidizing agents.

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

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

#### 10.6 Hazardous decomposition products

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Beta Caryophyllene: No data available.

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

### SECTION 11: Toxicological information

#### Information on toxicological effects

##### Acute toxicity

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Beta Caryophyllene: No data available.

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

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

##### Skin corrosion/irritation

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Beta Caryophyllene: No data available.

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Limonene: Causes skin irritation.

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Linalool: Causes skin irritation.  
Guinea Pig - skin irritation, 24h, Draize Test  
Rabbit - irritant (OECD Guideline 405)

##### Serious eye damage/irritation

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Beta Caryophyllene: No data available.



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

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

### **Respiratory or skin sensitization**

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Beta Caryophyllene: No data available.

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

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

### **Germ cell mutagenicity**

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Beta Caryophyllene: No data available.

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Limonene: Mouse  
Lymphocyte  
Result: Negative

Rat - Male  
Result: Negative

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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**

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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.

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Humulene: 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.

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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.

### **Reproductive toxicity**

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Beta Caryophyllene: No data available.

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

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

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Beta Caryophyllene: No data available.

### **STOT-single exposure**

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Beta Caryophyllene: No data available.

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Limonene: Not classified.

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Linalool: Not Classified.

**STOT-repeated exposure**

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Beta Caryophyllene: No data available.

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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.

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Linalool: Not Classified.

**Aspiration hazard**

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Beta Caryophyllene: No data available.

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

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Beta Caryophyllene: No data available.

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

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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**

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Beta Caryophyllene: No data available.

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

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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**

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Beta Caryophyllene: No data available.

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

#### **Mobility in soil**

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Beta Caryophyllene: No data available.

#### **Results of PBT and vPvB assessment**

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Beta Caryophyllene: No data available.

#### **Other adverse effects**

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Beta Caryophyllene: No data available.

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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

## **SECTION 13: Disposal considerations**

#### **Disposal of the product**

Offer surplus and non-recyclable solutions to a licensed disposal company.

#### **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.

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

Not listed.

**New Jersey Right to Know Components**

Chemical Name: Caryophyllene

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

CAS Number: 6753-98-6. Chemical Name: 7-Methyl-3-methylenoocta-1,6-diene,

CAS Number: 123-35-3

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

Not listed.

**Pennsylvania Right to Know Components**

Chemical Name: Caryophyllene

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

CAS Number: 6753-98-6. Chemical Name: 7-Methyl-3-methylenoocta-1,6-diene,

CAS Number: 123-35-3

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

3,7,11-Trimethyldodeca-1,6,10-trien-3-ol,mixed isomers, CAS-No. 7212-44-4



# Thin Mint Cookies

## SAFETY DATA SHEET

### **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.

### **SARA 304 Emergency Release Notification**

Not regulated.

### **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

### **SARA 313 (TRI Reporting)**

Not regulated.

### **SARA 313 Components**

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. 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.

### **SARA Hazard Categories**

Immediate Hazard - Yes

Delayed Hazard - No

Fire Hazard - Yes

Pressure Hazard - No

Reactivity Hazard - No

### **SDWA**

Not regulated.

### **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.

### **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.