



## TRUE TERPENES

### Safety Data Sheet Flow

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#### SECTION 1: Identification

##### 1.1 GHS Product identifier

Product name	Flow
Product number	TTD-FLW

##### 1.3 Recommended use of the chemical and restrictions on use

This product is concentrated and should not be used undiluted. Based on your use of this product, determine appropriate warnings and directions for your products and applications; also determine safety standards and conduct testing. Avoid contact between this undiluted product and skin, eyes, wood surfaces, and fabrics. Keep this undiluted product away from children and pets. Discontinue use if any adverse reaction occurs. This product has not been evaluated for safe use in e-cigarettes, or in any nicotine-containing or smoking-cessation product. Not for use with tobacco or nicotine.

This product is not intended for use by those who are pregnant, nursing, or by those with serious health conditions including but not limited to high blood pressure and diabetes. This product is not intended to diagnose, treat, cure or prevent any disease.

Store in original container, sealed tightly, in a cool, dry place away from sunlight or heat sources. This product should not be used beyond its stated expiry date. Products made with this item should be tested to determine suitable shelf life.

##### 1.4 Supplier's details

Name	True Terpenes
Address	8210 NE Mauzey Court Hillsboro Oregon 97124 USA
Telephone	888-954-8550

##### 1.5 Emergency phone number

Chemtrec USA: 800-424-9300  
Chemtrec International: 1+ 703-527-3887

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#### SECTION 2: Hazard identification

##### 2.1 Classification of the substance or mixture

GHS classification in accordance with: OSHA (29 CFR 1910.1200)

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### 2.2 GHS label elements, including precautionary statements

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## SECTION 3: Composition/information on ingredients

### 3.2 Mixtures

#### Hazardous components

##### 1. Triethyl Citrate

Concentration	Not specified
EC no.	201-070-7
CAS no.	77-93-0

##### 2. Alpha-Bisabolol

Concentration	Not specified
EC no.	208-205-9
CAS no.	515-69-5

#### Trade secret statement (OSHA 1910.1200(i))

Exact percentage (concentration) of composition has been withheld as a trade secret. (OSHA 29 CFR 1910.1200 (i)(1)(i))

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## SECTION 4: First-aid measures

### 4.1 Description of necessary first-aid measures

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.

### 4.3 Indication of immediate medical attention and special treatment needed, if necessary

Specific treatment (Wash areas of contact with water).

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## SECTION 5: Fire-fighting measures

### 5.1 Suitable extinguishing media

In case of fire: Use dry chemical, foam or carbon dioxide to extinguish.

### 5.2 Specific hazards arising from the chemical

Flammable liquid and vapor. Vapors can flow along surfaces to distant ignition source and flashback. Use water spray to blanket fire, cool fire exposed container, and to flush non-ignited spills or vapors away from fire.

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### 5.3 Special protective actions for fire-fighters

Wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full facepiece operated in the pressure demand or other positive pressure mode.

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## SECTION 6: Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures

Ground container and receiving equipment. Use explosion-proof equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Wear protective gloves and eye protection. In case of inadequate ventilation wear respiratory protection.

### 6.3 Methods and materials for containment and cleaning up

Remove all sources of ignition. Contain spill. Absorb with suitable inert material (vermiculite, dry sand, etc.) and place in a chemical waste container for proper disposal in an approved waste disposal facility. Ventilate area of spill. Have extinguishing agent available in case of fire. Use non-sparking tools and equipment. Dispose of in accordance with local regulations.

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## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

Store locked up in original container with lid securely tightened. Store in a cool dry place away from heat, open flame, sunlight, combustible materials, hot surfaces, and other sources of ignition in a secure, preferably flammable, storage area. As with all chemicals, use PPE and wash hands thoroughly after handling. Avoid contact with eyes and skin. Protect from freezing and physical damage. Empty containers may be hazardous since they retain product residues.

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## SECTION 8: Exposure controls/personal protection

### 8.2 Appropriate engineering controls

A system of local and/or general exhaust is recommended to keep employee exposures below the Airborne Exposure Limit.

### 8.3 Individual protection measures, such as personal protective equipment (PPE)

#### Eye/face protection

Wear protective gloves and eye protection. Safety glasses or goggles.

#### Skin protection

Wear protective gloves and eye protection. Chemical resistant gloves, PVA or Nitrile rubber.

#### Respiratory protection

Normal room ventilation is adequate. If the exposure limit is exceeded, a full facepiece respirator with organic vapor cartridge may be worn.

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## SECTION 9: Physical and chemical properties

### Basic physical and chemical properties

Physical state	Liquid
Appearance	Clear, colorless to pale yellow liquid
Color	Colorless to pale yellow
Odor	Odorless to Faint Sweet and Fruity
Odor threshold	Data not available.
Melting point/freezing point	Data not available.

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Boiling point or initial boiling point and boiling range	Data not available.
Flammability	Data not available.
Lower and upper explosion limit/flammability limit	Data not available.
Flash point	Data not available.
Auto-ignition temperature	Data not available.
Decomposition temperature	Data not available.
pH	Data not available.
Kinematic viscosity	Data not available.
Solubility	Insoluble in water.
Partition coefficient n-octanol/water (log value)	Data not available.
Vapor pressure	Data not available.
Evaporation rate	Data not available.
Density and/or relative density	1.09 g/mL at 20 degrees Celsius
Relative vapor density	Data not available.
Particle characteristics	Data not available.

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## SECTION 10: Stability and reactivity

### 10.1 Reactivity

May form flammable/explosive vapour-air mixture.

### 10.2 Chemical stability

Data not available.

### 10.3 Possibility of hazardous reactions

Data not available.

### 10.4 Conditions to avoid

Keep away from heat, sparks and open flame. No smoking. Keep container tightly closed. Direct sunlight, extremely high or low temperatures, heat, sparks, open flame, strong acids and strong bases.

### 10.5 Incompatible materials

Data not available.

### 10.6 Hazardous decomposition products

Carbon oxides may form upon decomposition.

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## SECTION 11: Toxicological information

### Information on toxicological effects

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## SECTION 12: Ecological information

### Toxicity

Avoid release to the environment. Collect spillage. Dispose of contents in accordance with local, state, federal and international regulations.

### Persistence and degradability

Data not available.

### Bioaccumulative potential

Data not available.

### Mobility in soil

Data not available.

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### Other adverse effects

Data not available.

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## SECTION 13: Disposal considerations

### Disposal methods

#### Waste treatment

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

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## SECTION 14: Transport information

### DOT (US)

UN Number: UN2319

Class: 3

Packing Group: III

Proper Shipping Name: Terpene hydrocarbons, n.o.s.

Marine pollutant: Yes (hazardous to aquatic life)

### IMDG

UN Number: UN2319

Class: 3

Packing Group: III

EMS Number: F-E, S-D

Proper Shipping Name: Terpene hydrocarbons, n.o.s.

### IATA

UN Number: UN2319

Class: 3

Packing Group: III

Proper Shipping Name: Terpene hydrocarbons, n.o.s.

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## SECTION 15: Regulatory information

### 15.1 Safety, health and environmental regulations specific for the product in question

**SARA 302 Components**

**SARA 313 Components**

**SARA 311/312 Hazards**

**Massachusetts Right To Know Components**

**New Jersey Right To Know Components**

**Pennsylvania Right To Know Components**

**California Prop. 65 Components**

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### Canadian Non-Domestic Substances List (NDSL)

#### Canadian Domestic Substances List (DSL)

Chemical name: Triethyl Citrate

CAS number: 77-93-0

Chemical name: Alpha-Bisabolol

CAS number: 515-69-5

#### US EPA TSCA public inventory

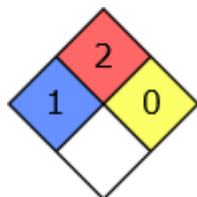
Chemical name: Triethyl Citrate

CAS number: 77-93-0

Chemical name: Alpha-Bisabolol

CAS number: 515-69-5

### NFPA Rating



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## SECTION 16: Other information

### 16.1 Further information/disclaimer

#### WARNING

True Terpenes cannot anticipate all conditions under which this information and this product, or the products of other manufacturers in combination with this product, may be used. It is the user's responsibility to stay current with respect to applicable laws and regulatory investigations and findings, and to ensure safe conditions for use, handling, storage and disposal of the product. The user assumes all liability for loss, injury, damage or expense due to unauthorized or improper use, and True Terpenes disclaims all such liability. The information in this sheet was written based on knowledge and experience currently available. To date, True Terpenes has not received any evidence confirming that this product has caused any adverse health consequences. 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 handling, use, processing, storage, transportation, and disposal. It should not be considered as a guarantee or quality specification.

True Terpenes has performed no testing on this product in e-cig/vaping applications. Applying heat to a compound or mixture of compounds may promote new product formation by thermal degradation. New products could include harmful or potentially harmful compounds.

It is the sole responsibility of the individual(s) purchasing this product to assess its safety in the final application. 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, based upon current information as of the publish 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 uses, processes, and operations. Appropriate warnings and safe handling procedures should be provided to all handlers and users of this product, taking into account the intended use and the specific conditions and factors relating to such use in accordance with all applicable laws and regulations.

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