

Mad Oils, Inc.  
7231 Haverhill Business Pkwy  
Suite #206  
Riviera Beach, Florida 33407  
561-845-0050 [www.madoils.com](http://www.madoils.com)

## Material Safety Data Sheet

### **1. Product Identification**

Product Name: **Hedonic Tonic**  
Product Type: Fragrance

### **2. Hazards Identification**

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 1910.1200 of title 29 of the U.S. Code of Federal Regulations.

#### Emergency Overview of OSHA Hazards

Flammability	Class IIIA Combustible Liquid
Acute Dermal/Eye	16 Causes eye irritation. 12 Causes skin irritation. 19 May cause photo-induced skin irritation.
Acute Inhalation	23 May cause respiratory tract irritation.
Acute Oral	2 Harmful if swallowed
Sensitization/Allergic Response	31 May cause allergic skin reaction. 32 May cause light-induced allergic skin reaction.
Target Organ Effects	28 Prolonged or repeated dermal exposure may cause damage to: kidneys, liver, bone marrow. 26 Prolonged or repeated ingestion may cause damage to: kidneys, liver, spleen, bone marrow, thyroid.

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

### **3. Composition/Information on Ingredients**

Chemical Identification: Perfumery Compound (Mixture)  
INCI Name: Fragrance

Fragrance Compound: a multi component mixture of fragrance ingredients. The specific chemical identities of the ingredients not listed herein are considered to be Trade Secrets and are withheld in accordance with the provisions of 1910.1200 of title 29 of the U.S. Code of Federal Regulations.

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This product is a complex mixture of fragrance ingredients, which contains among others the following substance(s), presenting a health or environmental hazard within the meaning of OSHA Hazard Communication Standard 29CFR1910.1200 (HCS), or having an occupational Exposure Limit:

CAS#	Ingredient(s)	Risk Codes
103-23-1	Hexanedioic acid, bis(2-ethylhexyl) ester	11, 16

### 4. Composition/Information on Ingredients

CAS#	Ingredient(s)	Risk Codes
127-51-5	a-Isomethyl ionone	11, 15, 19, 26, 28, 31
21145-77-7	Acetyl hexamethyl tetralin	2, 11, 15
32388-55-9	Acetyl cedrene	16, 19
54464-57-2	Tetramethyl Acetyloctahydronaphthalenes	11, 31
68917-33-9	Lemon oil terpenes	3, 12, 31
78-70-6	Linalool	12, 26
8008-56-8	Citrus medica limonum (Lemon) peel oil	3, 12, 31, 32
98-55-5	alpha-Terpineol	11, 15, 23

Total Hydrocarbon Content (% w/w) = 5.42

### 5. First Aid Measures

Inhalation: Remove from exposure site to fresh air and keep at rest. Seek 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 soap and water. Contact physician if symptoms persist.  
Ingestion: Rinse mouth with water and seek medical advice.  
Others: Take risk and safety phrases (section 15) into account.

### 6. Fire-Fighting measures

Flash Point: 180° F (82.22 C)  
Flammability: Class IIIA Combustible Liquid  
Extinguishing Media: Carbon dioxide, dry chemical, foam. Do not use a direct water jet on burning material.  
Special Fire Fighting Procedures: Wear NIOSH approved self-contained breathing apparatus and full protective clothing when fighting fires involving chemicals. Use water spray to cool containers exposed to fire.  
Unusual Fire and Explosion Hazards: None known.

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### 7. Accidental Release Measures

Personal precautions: Avoid inhalation and contact with skin and eyes. A self-contained breathing apparatus is recommended in case of a major spill.

Spillage: 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.

Environmental Precautions:  
Keep away from drains, soil, and surface and groundwater.

### 8. Handling and Storage

Handling: Apply according to good manufacturing and industrial hygiene practices with proper ventilation. Do not drink, eat or smoke while handling.

Storage: Store in a cool, dry and ventilated area away from heat sources and protected from light in tightly closed original container. Avoid plastic and uncoated metal container. Keep air contact to a minimum.

Fire protection: Keep away from ignition sources and naked flame.

### Exposure Controls/Personal Protection

#### ENGINEERING MEASURES

Closed Systems: Wherever possible, use closed systems to transfer fragrances.

Isolation: If appropriate, isolate mixing rooms and other areas where fragrances are openly handled and maintain these areas under negative air pressure relative to the rest of the plant.

Ventilation: Use local exhaust ventilation meeting ACGIH design criteria around tanks and other sources of potential exposures, including places where fragrances are openly weighed or measured, as well as general dilution ventilation of the work area to eliminate or reduce possible worker exposures.

#### PERSONAL PROTECTIVE EQUIPMENT

Respiratory Protection: Avoid excessive inhalation of concentrated vapors. Apply local ventilation where appropriate.

Eye Protection: Use goggles.

Skin Protection: Avoid Skin contact. Use chemically resistant gloves as needed.

### Physical and Chemical Properties

Appearance:	Conforms to Standard	Odor:	Conforms to Standard
Color:	Pale Yellow	Viscosity:	Liquid
Freezing Point:	Not determined	Boiling Point:	Not determined
Melting Point:	Not determined	Flashpoint:	180 F (82.22 C)
Auto flammability:	Not determined	Explosive Properties:	None Expected
Oxidizing properties:	None Expected	Vapor Pressure (mmHg@20 C):	0.0812
%VOC:	5.7845	Specific Gravity @ 25 C:	0.9140
Density @ 25 C:	0.9110	Refractive Index @ 20 C:	1.4590
Soluble in:	Oil		

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### **Stability and Reactivity**

Reactivity: Presents no significant reactivity hazard, by itself or in contact with water. Avoid contact with strong acids alkali or oxidizing agents.

Incompatibility: Avoid contact with strong acids, alkali or oxidizing agents.

Decomposition: Carbon monoxide and unidentified organic compounds may be formed during combustion.

### **Toxicological Information**

Based on the ingredients in this mixture and their concentrations in accordance with the provisions of 1910.1200 of title 29 of the U.S. Code of Federal Regulations:

#### Acute Oral Toxicity (Rat) Overall (Calculated Estimate) LD50: 4269.23 mg/Kg

2 Harmful if swallowed  
21145-77-7 Acetyl hexamethyl tetralin (LD50 = 1380 mg/Kg)

#### Acute Dermal Toxicity (Rabbit) Overall (Calculated Estimate) LD50: 5904.76 mg/Kg

None

#### Acute Inhalation Toxicity (Rat) Overall (Calculated Estimate) LC50: 41.39 mg/Kg

23 May cause respiratory tract irritation.  
98-55-5 alpha-Terpineol (LC50 = >20 mg/L/4hr) (LD50= >20 mg/L/4hr)

#### Skin irritation

12 Causes skin irritation.  
68917-33-9 Lemon oil terpenes  
78-70-6 Linalool  
8008-56-8 Citrus medica limonum (Lemon) peel oil  
19 May cause photo-induced skin irritation.  
127-51-5 a-Isomethyl ionone  
32388-55-9 Acetyl cedrene

#### Eye irritation

16 Causes eye irritation.  
103-23-1 Hexanedioic acid, bis(2-ethylhexyl) ester  
32388-55-9 Acetyl cedrene

#### Sensitization & Allergic Reactions

31 May cause allergic skin reaction.  
127-51-5 a-Isomethyl ionone  
54464-57-2 Tetramethyl Acetyloctahydronaphthalenes  
68917-33-9 Lemon oil terpenes  
8008-56-8 Citrus medica limonum (Lemon) peel oil  
32 May cause light-induced allergic skin reaction.  
8008-56-8 Citrus medica limonum (Lemon) peel oil

Carcinogenicity or Tumorigenicity: None

Genotoxicity: None

Reproductive/Developmental: None

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### Target Organ Effects

- 28 Prolonged or repeated dermal exposure may cause damage to: kidneys, liver, bone marrow  
127-51-5. a-Isomethyl ionone. Prolonged or repeated dermal exposure may cause damage to: kidneys, liver, bone marrow
- 26 Prolonged or repeated ingestion may cause damage to: kidneys, liver, spleen, bone marrow, thyroid.  
127-51-5. a-Isomethyl ionone. Prolonged or repeated ingestion may cause damage to: kidneys, liver, spleen, bone marrow, thyroid  
78-70-6. Linalool. Prolonged or repeated ingestion may cause damage to: kidneys, liver

### **Ecological Information**

Avoid contamination of soil, ground and surface water. While no specific environmental toxicity or related data is available, fragrance compositions are not expected to accumulate in the environment and environmental problems are not expected under normal conditions of use.

### **Disposal Conditions**

Dispose of according to local laws and regulations. Avoid disposing into drainage systems and into the environment.

### **Transport Information**

<b>Regulator</b>	<b>Class</b>	<b>Pack Group</b>	<b>Sub Risk</b>	<b>UN-nr.</b>
<b>U.S. DOT (Non-Bulk)</b> Chemicals NOI	Not Regulated - Not Dangerous Goods			
<b>ADR/RID (International Road/Rail)</b> Environmentally Hazardous Substance, Liquid, n.o.s.	9	III		UN3082
<b>IATA (Air Cargo)</b> Environmentally Hazardous Substance, Liquid, n.o.s.	9	III		UN3082
<b>IMDG (Sea)</b> Environmentally Hazardous Substance, Liquid, n.o.s.	9	III		UN3082

Ingredient of greatest environmental impact: 21145-77-7 Acetyl hexamethyl tetralin

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### Regulatory Information

The components of this fragrance product are in compliance, either listed or exempt, with the U.S. EPA Toxic Substances Control Act (TSCA) Inventory of Chemical Substances: Yes

*100.00% of the components of this fragrance product are found on the Canadian DSL.*

The following ingredient(s) are NOT found on the DSL, status as noted:

<u>Chemical Class</u>	<u>CAS#</u>	<u>Concentration (% by wt)</u>
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NONE

*United States Code of Federal Regulations 40 CFR (EPCRA, SARA, CERCLA and CAA)*

This proprietary mixture contains the following chemicals subject to reporting requirements under the Emergency Planning and Community Right-to-Know Act (EPCRA), also known as Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA), Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) and chemicals listed under section 112(r) of the Clean Air Act (CAA).

<u>Chemical Class</u>	<u>CAS#</u>	<u>Concentration (% by wt)</u>
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NONE

*California Proposition 65 (Safe Drinking Water and Toxic Enforcement Act of 1986)*

This product contains the following chemical(s) known to the State of California to cause cancer, birth defects or other reproductive harm (NFS = In accordance with Title 22, California Code of Regulations, Division 2, Part 2, Subdivision 1, Chapter 3, subsection (b) of Section 12501, this material is exempt from reporting as a naturally occurring chemical from a food source):

<u>Chemical Class</u>	<u>CAS#</u>	<u>Concentration (% by wt)</u>
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<i>beta-Myrcene</i>	<i>123-35-3(NFS)</i>	<i>0.01 - 0.1%</i>
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### Other Information

#### Disclaimer

The information in this MSDS pertains only to the material referred to in Section I. Any modification to the fragrance or use of the fragrance in a product application requires a new MSDS for the finished product, which is the responsibility of the user to obtain and produce its own. The information in this MSDS was obtained from current and reliable sources. However, the data is provided without any warrant, expressed or implied, regarding its correctness or accuracy. Since the use, handling, storage and disposal of this product are beyond Mad Oils, Inc.'s control, it is the responsibility of the user both to determine safe conditions for the use of this product and to assume liability of loss, damage, or expense arising out of the product's improper use.

No warranty expressed or implied regarding the product described herein shall be created by or inferred from any statement or mission in this MSDS. Various Federal, State or Provincial agencies may have specific regulations concerning the transportation, handling, storage, use, or disposal of this product, which may not be reflected in this MSDS. The user should review these regulations to ensure full compliance. This is the user's responsibility.

*End of the MSDS for Hedonic Tonic*