

**SECTION 1: IDENTIFICATION**

Product Name: Love Letters

Product Description: Base

Product Form: Mixture

Recommended Use: Perfume ingredient

Recommended Restrictions: For manufacturing use only

Company: Deep South Fragrance

11 Coolidge Avenue

Ormond Beach, Florida 32174

For Information Email: support@deepsouthfragrance.com

Emergency Contact Information: Poison Control Center - (800) 222-1222

**SECTION 2: HAZARD(S) IDENTIFICATION****2.1 CLASSIFICATION OF THE SUBSTANCE OR MIXTURE**

Class and Category of Danger: Skin Corrosion/Irritation Category 2

Sensitization - Skin Category 1

Hazardous to the Aquatic Environment - Acute Hazard Category 2

Hazardous to the Aquatic Environment - Long Term Hazard Category 1

H315 Causes skin irritation

H317 May cause an allergic skin reaction

H401 Toxic to aquatic life

H410 Very toxic to aquatic life with long lasting effects

**2.2 LABEL ELEMENTS**

Signal Word: Warning

Hazard Statement: H315 Causes skin irritation

H317 May cause an allergic skin reaction

H401 Toxic to aquatic life

H410 Very toxic to aquatic life with long lasting effects

Precautionary Statements: P261 Avoid breathing vapor or dust

P264 Wash hands and other contacted skin thoroughly after handling

P272 Contaminated work clothing should not be allowed out of the workplace

P273 Avoid release to the environment

P280 Wear protective gloves/eye protection/face protection

P302 + P352 IF ON SKIN: Wash with plenty of soap and water

P333 + P313 If skin irritation or rash occurs get medical advise/attention

P362 Take off contaminated clothing and wash before reuse

P391 Collect spillage

P501 Dispose of contents/container to approved disposal site, in accordance with local regulations

(GHS) Hazard Symbol(s):



## 2.3 OTHER HAZARDS

Other Hazards: Hydrocarbon Concentration: 0.0000%

## SECTION 3: HAZARD(S) COMPOSITION AND INFORMATION ON INGREDIENTS

### 3.2 MIXTURES

This product is a mixture of ingredients containing the following substances representing a health or environmental hazard according to GHS (Global Harmonized System).

| SUBSTANCE   | CAS #      | PERCENTAGE |
|---|------------|------------|
| 1-(1,2,3,4,5,6,7,8-OCTAHYDRO-2,3,8,8-TETRAMETHYL-2-NAPHTHALENYL)ETHANONE      | 54464-57-2 | 20-<50%    |
| METHYL DIHYDROJASMONATE   | 24851-98-7 | 20-<50%    |
| 1,3,4,6,7,8-HEXAHYDRO-4,6,6,7,8,8-HEXAMETHYLCYCLOPENTA-gamma-2-BENZOPYRAN     | 1222-05-5  | 10-<20%    |
| 3,7-DIMETHYL-7-METHOXYOCTAN-2-OL  | 41890-92-0 | 5-<10%     |
| ETHYLENE BRASSYLATE   | 105-95-3   | 1-<5%      |
| d-LIMONENE  | 5989-27-5  | 1-<5%      |
| VANILLIN  | 121-33-5   | 1-<5%      |
| p-MENTHA-1,4-DIENE  | 99-85-4    | 0.1-<1%    |
| 1-(5,6,7,8-TETRAHYDRO-3,5,5,6,8,8-HEXAMETHYL-2-NAPHTHYL)ETHAN-1-ONE (FIXOLID) | 1506-02-1  | 0.1-<1%    |
| dl-CITRONELLOL  | 106-22-9   | 0.1-<1%    |
| alpha-1-(2,6,6-TRIMETHYL-2-CYCLOHEXEN-1-YL)-2-BUTEN-1-ONE                     | 43052-87-5 | 0.1-<1%    |
| alpha-CEDRENE   | 469-61-4   | <0.1%      |

Trade Secret Declaration: The exact chemical makeup of this mixture is held as a trade secret. Additional information will be made available upon request from authorized medical professionals through normal legal channels.

**SECTION 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.

Ingestion (Swallowing): Rinse mouth with water and obtain medical attention if you feel unwell.

Skin Exposure: IF ON THE SKIN: Remove contaminated clothes. Wash with soap and water.

**4.2 MOST IMPORTANT SYMPTOMS AND EFFECTS (BOTH ACUTE AND DELAYED)**

Causes skin irritation

May cause an allergic skin reaction

**4.3 INDICATION OF ANY IMMEDIATE ATTENTION AND SPECIAL TREATMENT NEEDED**

None expected. See Section 4.1 for additional information.

**SECTION 5: FIRE FIGHTING MEASURES****5.1 SUITABLE EXTINGUISHING MEDIA**

Carbon dioxide (CO<sub>2</sub>), foam or dry chemical

**5.2 SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE**

In case of fire - May be liberated: Carbon Monoxide, unidentified organic compounds.

**5.3 ADVICE FOR FIRE FIGHTERS**

In case of insufficient ventilation, wear suitable respiratory equipment.

**SECTION 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 Sections 7 and 8

**6.2 ENVIRONMENTAL PRECAUTIONS**

Keep away from drains, surface and ground water and soil.

## 6.3 METHODS AND MATERIAL FOR CONTAINMENT CLEANUP

Remove ignition sources. Provide adequate ventilation. Avoid excessive inhalation of vapors. Contain spillage immediately by use of sand or inert powder. Dispose of according to local regulations.

## 6.4 REFERENCE TO OTHER SECTIONS

Also refer to Section 8 and 13.

# SECTION 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 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 USE(S)

Fragrances: Use in accordance with good manufacturing and industrial hygiene practices.

# SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

## 8.1 CONTROL PARAMETERS

Workplace Exposure Limits: Not applicable

## 8.2 EXPOSURE CONTROLS

Eye/Skin Protection: Wear protective gloves/eye protection/face protection.

Respiratory Protection: Under normal conditions of use and where adequate ventilation is available to prevent build up of excessive vapor, this material should not require engineering controls. However, in conditions of high or prolonged use or high temperature or other conditions which increase exposure, the following engineering controls can be used to minimize exposure to personnel: a) Increase ventilation of the area with local exhaust ventilation b) Personnel can use an approved, appropriately fitted respirator with organic vapor cartridge or canisters and particulate filters c) Use closed systems for transferring and processing this material.

Also refer to Sections 2 and 7.

# SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

## 9.1 INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES

|   |                         |
|---|-------------------------|
| Melting Point/Freezing Point:           | Not determined          |
| Initial Boiling Point/Range:            | Not determined          |
| Flash Point:                            | >93 Degrees C           |
| Evaporation Point:                      | Not determined          |
| Flammability (Solid, Gas):              | Not determined          |
| Explosive Limits:                       | Not an explosion hazard |
| Vapor Pressure:                         | Not determined          |
| Vapor Density:                          | Not determined          |
| Relative Density:                       | -0.0050 - 0.0050        |
| Solubility(ies):                        | Not determined          |
| Partition Coefficient: n-octanol/water: | Not determined          |
| Auto Ignition Temperature:              | Not determined          |
| Decomposition Temperature:              | Not determined          |
| Explosive Properties:                   | Not expected            |
| Oxidizing Properties:                   | Not expected            |

## 9.2 OTHER INFORMATION

|                         |                                |
|-------------------------|--------------------------------|
| Refractive Index @ 20C: | -0.0015 - 0.0015               |
| Flash Point:            | >200 Degrees F                 |
| Calculated VOC:         | 0.00                           |
| Color Range:            | Colorless - 2 Very Pale Yellow |

## SECTION 10: STABILITY AND REACTIVITY

### 10.1 REACTIVITY

Product is non-reactive under normal conditions including transport, storage and use.

### 10.2 CHEMICAL STABILITY

Good stability under normal conditions including transport, storage and use.

### 10.3 POSSIBILITY OF HAZARDOUS REACTIONS

No dangerous reactions known under normal conditions.

#### 10.4 CONDITIONS TO AVOID

Avoid freezing, excessive temperatures, open flame and improper storage. Avoid contamination.

#### 10.5 INCOMPATIBLE MATERIALS

Avoid contact with strong acids, alkalis or oxidizing agents.

#### 10.6 HAZARDOUS DECOMPOSITION PRODUCTS

None expected.

### SECTION 11: TOXICOLOGY INFORMATION

This mixture has not been tested, as a whole, for health effects. The health effects have been calculated using the methods outlined in UN GHS.

|                                    |  |
|------------------------------------|--|
| Acute Toxicity:                    | Based on available data the classification criteria are not met. |
| Acute Oral Toxicity:               | >5000  |
| Acute Toxicity Dermal:             | Not determined   |
| Acute Toxicity Inhalation:         | Not determined   |
| Skin Corrosion/Irritation:         | Category 2   |
| Serious Eye Damage/Irritation:     | Based on available data the classification criteria are not met. |
| Respiratory or Skin Sensitization: | Skin Category 1  |
| Germ Cell Mutagenicity:            | Based on available data the classification criteria are not met. |
| Carcinogenicity:                   | Based on available data the classification criteria are not met. |
| Reproductive Toxicity:             | Based on available data the classification criteria are not met. |
| STOT - Single Exposure:            | Based on available data the classification criteria are not met. |
| STOT - Repeated Exposure:          | Based on available data the classification criteria are not met. |
| Aspiration Hazard:                 | Based on available data the classification criteria are not met. |

#### Information About Hazardous Ingredients in the Mixture

| INGREDIENT | LD50/ATE ORAL | LD50/ATE DERMAL | LD50/ATE INHALATION | LC50 Route |
|------------|---------------|-----------------|---------------------|------------|
| VANILLIN   | 3500          | N/A             | N/A                 | N/A        |

Refer to Section 2 and 3 for additional information.

### SECTION 12: ECOLOGICAL INFORMATION

#### 12.1 TOXICITY

Very toxic to aquatic life with long lasting effects.

#### 12.2 PERSISTENCE AND DEGRADABILITY

No information available.

### 12.3 BIO ACCUMULATIVE POTENTIAL

No information available.

### 12.4 MOBILITY IN SOIL

No information available.

### 12.5 OTHER ADVERSE EFFECTS

No information available.

## SECTION 13: DISPOSAL CONSIDERATIONS

### 13.1 WASTE TREATMENT METHODS

Dispose 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.

## SECTION 14: TRANSPORTATION INFORMATION

| 14.1 UN NUMBER               | 14.2 UN PROPER SHIPPING NAME   | 14.3 TRANSPORT HAZARD CLASS(ES) | 14.4 PACKING GROUP |
|------------------------------|--|---------------------------------|--------------------|
| UN Model Regulations: UN3082 | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (1- (1,2,3,4,5,6,7,8-Octahydro-2,3,8,8-tetramethyl-2-naphthalenyl)ethanone, 1,3,4,6,7,8-Hexahydro-4,6,6,7,8,8- hexamethylcyclopentagamma-2- benzopyran)                  | 9                               | III                |
| IMDG: UN3082                 | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (1- (1,2,3,4,5,6,7,8-Octahydro-2,3,8,8-tetramethyl-2-naphthalenyl)ethanone, 1,3,4,6,7,8-Hexahydro-4,6,6,7,8,8- hexamethylcyclopentagamma-2- benzopyran) MARINE POLLUTANT | 9                               | III                |
| ADR, RID, ADN: UN3082        | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (1- (1,2,3,4,5,6,7,8-Octahydro-2,3,8,8-tetramethyl-2-naphthalenyl)ethanone, 1,3,4,6,7,8-Hexahydro-4,6,6,7,8,8- hexamethylcyclopentagamma-2- benzopyran)                  | 9                               | III                |
| ICAO TI: UN3082              | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (1- (1,2,3,4,5,6,7,8-Octahydro-2,3,8,8-tetramethyl-2-naphthalenyl)ethanone, 1,3,4,6,7,8-Hexahydro-4,6,6,7,8,8- hexamethylcyclopentagamma-2- benzopyran)                  | 9                               | III                |

**SECTION 15: REGULATORY INFORMATION**

Additional Formulation Properties:

| <b>SUBSTANCE</b> | <b>CAS #</b> | <b>PERCENTAGE</b> |
|------------------|--------------|-------------------|
| VANILLIN         | 121-33-5     | 1-<5%             |

Components Listed on California's SB312:

| <b>SUBSTANCE</b> | <b>CAS #</b> | <b>PERCENTAGE</b> |
|------------------|--------------|-------------------|
| d-LIMONENE       | 5989-27-5    | 1-<5%             |
| LINALOOL         | 78-70-6      | 0.1-<1%           |
| CITRAL           | 5392-40-5    | <0.1%             |

**SECTION 16: OTHER INFORMATION**

Key To Revisions:

None

Disclaimer:



# SAFETY DATA SHEET

The information and recommendations in this SDS were obtained from current and reputable sources and are being constantly updated. However, the data is provided without any warranty, express or implied, regarding its accuracy. It is the user's responsibility both to determine the safe conditions for the use of this product and to assume liability for loss, injury, damage, or expense resulting from the improper use of this product.