

## SECTION 1: Identification

### 1.1. Identification

Product form : Mixture  
Product name : Goddess Type Fragrance  
Product code : 91-1073-09

### 1.2. Recommended use and restrictions on use

### 1.3. Supplier

Essential Oil Company  
2150 Industrial Drive  
Niles, MI 49120 - United States  
T 888-541-9089  
[info@essentialoil.com](mailto:info@essentialoil.com) - [www.essentialoil.com](http://www.essentialoil.com)

### 1.4. Emergency telephone number

Emergency number CHEMTREC - USA: 800-424-9300 International: +1 703-527-3887 / 1-800-424-9300  
CCN: 1025270

## SECTION 2: Hazard(s) identification

### 2.1. Classification of the substance or mixture

#### GHS US classification

|                                               |                                      |
|-----------------------------------------------|--------------------------------------|
| Flammable liquids, Category 4                 | Combustible liquid                   |
| Skin corrosion/irritation, Category 2         | Causes skin irritation.              |
| Serious eye damage/eye irritation, Category 2 | Causes serious eye irritation.       |
| Skin sensitisation, Category 1                | May cause an allergic skin reaction. |

### 2.2. GHS Label elements, including precautionary statements

#### GHS US labelling

Hazard pictograms (GHS US)



GHS07

Signal word (GHS US)

: Warning

Hazard statements (GHS US)

: Combustible liquid  
Causes skin irritation.  
May cause an allergic skin reaction.  
Causes serious eye irritation.

Precautionary statements (GHS US)

: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
Avoid breathing dust/fume/gas/mist/vapours/spray.  
Wash hands, forearms and face thoroughly after handling.  
Contaminated work clothing must not be allowed out of the workplace.  
Wear protective gloves/protective clothing/eye protection/face protection.  
If on skin: Wash with plenty of water.  
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
Specific treatment (see supplemental first aid instruction on this label).  
If skin irritation occurs: Get medical advice/attention.  
If skin irritation or rash occurs: Get medical advice/attention.  
If eye irritation persists: Get medical advice/attention.  
Take off contaminated clothing and wash it before reuse.  
Wash contaminated clothing before reuse.  
In case of fire: Use media other than water to extinguish.  
Store in a well-ventilated place. Keep cool.  
Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

# Goddess Type Fragrance

## Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

### 2.3. Other hazards which do not result in classification

No additional information available

### 2.4. Unknown acute toxicity (GHS US)

Not applicable

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

Not applicable

### 3.2. Mixtures

| Name                                                                     | Product identifier   | %       | GHS US classification                                                                   |
|--------------------------------------------------------------------------|----------------------|---------|-----------------------------------------------------------------------------------------|
| 1-(2,3,8,8-Tetramethyl-1,2,3,4,5,6,7,8-octahydronaphthalen-2-yl)ethanone | (CAS-No.) 54464-57-2 | 10 – 25 | Skin Irrit. 2, H315<br>Skin Sens. 1B, H317                                              |
| 2-Isobutyl-4-methyltetrahydro-2H-pyran-4-ol                              | (CAS-No.) 63500-71-0 | 1 – 5   | Eye Irrit. 2A, H319                                                                     |
| VANILLIN                                                                 | (CAS-No.) 121-33-5   | 1 – 5   | Eye Irrit. 2A, H319                                                                     |
| 3,7-Dimethyl-1,6-nonadien-3-ol                                           | (CAS-No.) 10339-55-6 | 1 – 5   | Flam. Liq. 4, H227<br>Eye Irrit. 2A, H319<br>Skin Sens. 1B, H317                        |
| LINALYL ACETATE                                                          | (CAS-No.) 115-95-7   | 1 – 5   | Flam. Liq. 4, H227<br>Skin Irrit. 2, H315<br>Eye Irrit. 2B, H320<br>Skin Sens. 1B, H317 |
| D-LIMONENE                                                               | (CAS-No.) 5989-27-5  | 1 – 5   | Flam. Liq. 3, H226<br>Skin Irrit. 2, H315<br>Skin Sens. 1B, H317<br>Asp. Tox. 1, H304   |
| ETHYL VANILLIN                                                           | (CAS-No.) 121-32-4   | 1 – 5   | Eye Irrit. 2B, H320                                                                     |
| HYDROXYCITRONELLAL                                                       | (CAS-No.) 107-75-5   | 1 – 5   | Eye Irrit. 2A, H319<br>Skin Sens. 1B, H317                                              |
| ETHYL MALTOL                                                             | (CAS-No.) 4940-11-8  | 1 – 5   | Acute Tox. 4 (Oral), H302                                                               |
| 5-(2,2,3-Trimethyl-3-cyclopentenyl)-3-methylpentan-2-ol                  | (CAS-No.) 65113-99-7 | 1 – 5   | Eye Irrit. 2A, H319                                                                     |
| DIHYDROMYRCENOL                                                          | (CAS-No.) 18479-58-8 | 1 – 5   | Flam. Liq. 4, H227<br>Skin Irrit. 2, H315<br>Eye Irrit. 2A, H319<br>STOT SE 3, H336     |

Full text of hazard classes and H-statements : see section 16

## SECTION 4: First-aid measures

### 4.1. Description of first aid measures

|                                       |                                                                                                                                                                                  |
|---------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| First-aid measures general            | : If you feel unwell, seek medical advice.                                                                                                                                       |
| First-aid measures after inhalation   | : Remove person to fresh air and keep comfortable for breathing.                                                                                                                 |
| First-aid measures after skin contact | : Wash skin with plenty of water. Take off contaminated clothing. If skin irritation or rash occurs: Get medical advice/attention.                                               |
| First-aid measures after eye contact  | : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. |
| First-aid measures after ingestion    | : Call a poison center or a doctor if you feel unwell.                                                                                                                           |

### 4.2. Most important symptoms and effects (acute and delayed)

|                                     |                                                    |
|-------------------------------------|----------------------------------------------------|
| Symptoms/effects after inhalation   | : No data available.                               |
| Symptoms/effects after skin contact | : Irritation. May cause an allergic skin reaction. |
| Symptoms/effects after eye contact  | : Eye irritation.                                  |
| Symptoms/effects after ingestion    | : No data available.                               |

### 4.3. Immediate medical attention and special treatment, if necessary

Treat symptomatically.

## SECTION 5: Fire-fighting measures

### 5.1. Suitable (and unsuitable) extinguishing media

|                                |                                                  |
|--------------------------------|--------------------------------------------------|
| Suitable extinguishing media   | : Water spray. Dry powder. Foam. Carbon dioxide. |
| Unsuitable extinguishing media | : Do not use a heavy water stream.               |

# Goddess Type Fragrance

## Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

### 5.2. Specific hazards arising from the chemical

- Fire hazard : Combustible liquid.
- Explosion hazard : No direct explosion hazard.
- Reactivity : The product is non-reactive under normal conditions of use, storage and transport.

### 5.3. Special protective equipment and precautions for fire-fighters

- Firefighting instructions : Fight fire from safe distance and protected location. Do not enter fire area without proper protective equipment, including respiratory protection.
- Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

## SECTION 6: Accidental release measures

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

- General measures : Stop leak if safe to do so. Notify authorities if product enters sewers or public waters. Absorb spillage to prevent material damage.

#### 6.1.1. For non-emergency personnel

- Protective equipment : Wear recommended personal protective equipment.
- Emergency procedures : Ventilate spillage area. No open flames, no sparks, and no smoking. Avoid contact with skin and eyes. Avoid breathing dust/fume/gas/mist/vapours/spray.

#### 6.1.2. For emergency responders

- Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".
- Emergency procedures : Evacuate unnecessary personnel. Stop leak if safe to do so.

### 6.2. Environmental precautions

Avoid release to the environment.

### 6.3. Methods and material for containment and cleaning up

- For containment : Absorb spilled material with sand or earth. Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. Stop leak without risks if possible.
- Methods for cleaning up : Take up liquid spill into absorbent material. Notify authorities if product enters sewers or public waters.
- Other information : Dispose of materials or solid residues at an authorized site.

### 6.4. Reference to other sections

For further information refer to section 13.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

- Additional hazards when processed : Not expected to present a significant hazard under anticipated conditions of normal use.
- Precautions for safe handling : Ensure good ventilation of the work station. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Wear personal protective equipment. Avoid contact with skin and eyes. Avoid breathing dust/fume/gas/mist/vapours/spray.
- Hygiene measures : Wash contaminated clothing before reuse. Contaminated work clothing should not be allowed out of the workplace. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

### 7.2. Conditions for safe storage, including any incompatibilities

- Technical measures : Keep in a cool, well-ventilated place away from heat.
- Storage conditions : Store in a well-ventilated place. Keep cool.
- Packaging materials : Store always product in container of same material as original container.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### Goddess Type Fragrance

No additional information available

#### HYDROXYCITRONELLAL (107-75-5)

No additional information available

# Goddess Type Fragrance

## Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

### 2-Isobutyl-4-methyltetrahydro-2H-pyran-4-ol (63500-71-0)

No additional information available

### ETHYL MALTOL (4940-11-8)

No additional information available

### DIHYDROMYRCENOL (18479-58-8)

No additional information available

### D-LIMONENE (5989-27-5)

No additional information available

### 5-(2,2,3-Trimethyl-3-cyclopentenyl)-3-methylpentan-2-ol (65113-99-7)

No additional information available

### LINALYL ACETATE (115-95-7)

No additional information available

### VANILLIN (121-33-5)

No additional information available

### 3,7-Dimethyl-1,6-nonadien-3-ol (10339-55-6)

No additional information available

### 1-(2,3,8,8-Tetramethyl-1,2,3,4,5,6,7,8-octahydronaphthalen-2-yl)ethanone (54464-57-2)

No additional information available

### ETHYL VANILLIN (121-32-4)

No additional information available

## 8.2. Appropriate engineering controls

Appropriate engineering controls : Ensure good ventilation of the work station.  
Environmental exposure controls : Avoid release to the environment.

## 8.3. Individual protection measures/Personal protective equipment

### Personal protective equipment:

Wear recommended personal protective equipment.

### Hand protection:

Protective gloves

### Eye protection:

Chemical goggles or safety glasses

### Skin and body protection:

Wear suitable protective clothing

### Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment



## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state : Liquid  
Colour : YELLOW TO ORANGE  
Odour : CHARACTERISTIC, MATCHING RETAINER SAMPLE  
Odour threshold : No data available  
pH : No data available

# Goddess Type Fragrance

## Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

|                                                 |                         |
|-------------------------------------------------|-------------------------|
| Melting point                                   | : Not applicable        |
| Freezing point                                  | : No data available     |
| Boiling point                                   | : No data available     |
| Flash point                                     | : 93 °C                 |
| Relative evaporation rate (butylacetate=1)      | : No data available     |
| Flammability                                    | : Not applicable.       |
| Vapour pressure                                 | : No data available     |
| Relative vapour density at 20°C                 | : No data available     |
| Relative density                                | : 0.992 (0.982 – 1.002) |
| Solubility                                      | : Insoluble.            |
| Partition coefficient n-octanol/water (Log Pow) | : No data available     |
| Auto-ignition temperature                       | : No data available     |
| Decomposition temperature                       | : No data available     |
| Viscosity, kinematic                            | : No data available     |
| Viscosity, dynamic                              | : No data available     |
| Explosive limits                                | : No data available     |
| Explosive properties                            | : No data available     |
| Oxidising properties                            | : No data available     |

### 9.2. Other information

Refractive index : 1.4702 (1.4602 – 1.4802)

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

### 10.2. Chemical stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

### 10.4. Conditions to avoid

Avoid contact with hot surfaces. Heat. No flames, no sparks. Eliminate all sources of ignition.

### 10.5. Incompatible materials

No additional information available

### 10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

|                             |                  |
|-----------------------------|------------------|
| Acute toxicity (oral)       | : Not classified |
| Acute toxicity (dermal)     | : Not classified |
| Acute toxicity (inhalation) | : Not classified |

| ETHYL MALTOL (4940-11-8)     |                                                                                                                                                                                         |
|------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| LD50 oral rat                | 1220 mg/kg bodyweight (Equivalent or similar to OECD 401, Rat, Experimental value, Oral)                                                                                                |
| LD50 dermal rabbit           | > 5000 mg/kg bodyweight Animal: rabbit, Guideline: OECD Guideline 402 (Acute Dermal Toxicity), Remarks on results: no indication of skin irritation up to the relevant limit dose level |
| ATE US (oral)                | 1200 mg/kg bodyweight                                                                                                                                                                   |
| DIHYDROMYRCENOL (18479-58-8) |                                                                                                                                                                                         |
| ATE US (oral)                | 3020 mg/kg bodyweight                                                                                                                                                                   |
| D-LIMONENE (5989-27-5)       |                                                                                                                                                                                         |
| LD50 oral rat                | > 2000 mg/kg bodyweight (OECD 423: Acute Oral Toxicity – Acute Toxic Class Method, Rat, Female, Experimental value, Oral, 14 day(s))                                                    |
| LD50 dermal rabbit           | > 5000 mg/kg bodyweight (Equivalent or similar to OECD 402, 24 h, Rabbit, Read-across, Dermal, 7 day(s))                                                                                |

# Goddess Type Fragrance

## Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

| <b>VANILLIN (121-33-5)</b> |                                                                                                                            |
|----------------------------|----------------------------------------------------------------------------------------------------------------------------|
| LD50 oral rat              | 3300 mg/kg bodyweight (Equivalent or similar to OECD 401, Rat, Male / female, Experimental value, Oral, 14 day(s))         |
| LD50 dermal rat            | > 2000 mg/kg bodyweight (OECD 402: Acute Dermal Toxicity, 24 h, Rat, Male / female, Experimental value, Dermal, 14 day(s)) |
| ATE US (oral)              | 3300 mg/kg bodyweight                                                                                                      |
| ATE US (dermal)            | 2600 mg/kg bodyweight                                                                                                      |

| <b>3,7-Dimethyl-1,6-nonadien-3-ol (10339-55-6)</b> |                                                                                                                 |
|----------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|
| LD50 dermal rabbit                                 | > 5000 mg/kg bodyweight Animal: rabbit, Guideline: other:                                                       |
| LC50 Inhalation - Rat                              | > 1 mg/l air Animal: rat, Guideline: OECD Guideline 403 (Acute Inhalation Toxicity), Remarks on results: other: |
| ATE US (oral)                                      | 5000 mg/kg bodyweight                                                                                           |

| <b>ETHYL VANILLIN (121-32-4)</b> |                                                                                                                      |
|----------------------------------|----------------------------------------------------------------------------------------------------------------------|
| LD50 oral rat                    | > 3160 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 401 (Acute Oral Toxicity), Remarks on results: other: |
| LD50 dermal rat                  | > 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)                           |
| ATE US (oral)                    | 3000 mg/kg bodyweight                                                                                                |

|                                   |                                        |
|-----------------------------------|----------------------------------------|
| Skin corrosion/irritation         | : Causes skin irritation.              |
| Serious eye damage/irritation     | : Causes serious eye irritation.       |
| Respiratory or skin sensitisation | : May cause an allergic skin reaction. |
| Germ cell mutagenicity            | : Not classified                       |
| Carcinogenicity                   | : Not classified                       |

| <b>D-LIMONENE (5989-27-5)</b> |                      |
|-------------------------------|----------------------|
| IARC group                    | 3 - Not classifiable |

Reproductive toxicity : Not classified

STOT-single exposure : Not classified

| <b>DIHYDROMYRCENOL (18479-58-8)</b> |                                    |
|-------------------------------------|------------------------------------|
| STOT-single exposure                | May cause drowsiness or dizziness. |

STOT-repeated exposure : Not classified

| <b>ETHYL MALTOL (4940-11-8)</b> |                                                                                                                         |
|---------------------------------|-------------------------------------------------------------------------------------------------------------------------|
| NOAEL (oral, rat, 90 days)      | ≥ 200 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 453 (Combined Chronic Toxicity / Carcinogenicity Studies) |

| <b>3,7-Dimethyl-1,6-nonadien-3-ol (10339-55-6)</b> |                                                                                                            |
|----------------------------------------------------|------------------------------------------------------------------------------------------------------------|
| NOAEL (dermal, rat/rabbit, 90 days)                | 250 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 411 (Subchronic Dermal Toxicity: 90-Day Study) |

|                                     |                                                    |
|-------------------------------------|----------------------------------------------------|
| Aspiration hazard                   | : Not classified                                   |
| Viscosity, kinematic                | : No data available                                |
| Symptoms/effects after inhalation   | : No data available.                               |
| Symptoms/effects after skin contact | : Irritation. May cause an allergic skin reaction. |
| Symptoms/effects after eye contact  | : Eye irritation.                                  |
| Symptoms/effects after ingestion    | : No data available.                               |

# Goddess Type Fragrance

## Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

### SECTION 12: Ecological information

#### 12.1. Toxicity

Ecology - general : The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.

| ETHYL MALTOL (4940-11-8) |                                                                                                                                               |
|--------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|
| LC50 - Fish [1]          | > 85 mg/l (OECD 203: Fish, Acute Toxicity Test, 96 h, Oncorhynchus mykiss, Semi-static system, Fresh water, Experimental value)               |
| EC50 - Crustacea [1]     | 27 mg/l (OECD 202: Daphnia sp. Acute Immobilisation Test, 48 h, Daphnia magna, Static system, Fresh water, Experimental value)                |
| ErC50 algae              | 7.2 mg/l (OECD 201: Alga, Growth Inhibition Test, 72 h, Pseudokirchneriella subcapitata, Static system, Fresh water, Experimental value, GLP) |

| D-LIMONENE (5989-27-5) |                                                                                                                                             |
|------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|
| LC50 - Fish [1]        | 720 µg/l (Equivalent or similar to OECD 203, 96 h, Pimephales promelas, Flow-through system, Fresh water, Experimental value)               |
| EC50 - Crustacea [1]   | 0.307 mg/l (OECD 202: Daphnia sp. Acute Immobilisation Test, 48 h, Daphnia magna, Semi-static system, Fresh water, Experimental value, GLP) |
| LC50 - Fish [2]        | 702 µg/l Test organisms (species): Pimephales promelas                                                                                      |
| EC50 - Crustacea [2]   | 0.51 mg/l Test organisms (species): Daphnia magna                                                                                           |

| VANILLIN (121-33-5)  |                                                                                                                                               |
|----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|
| LC50 - Fish [1]      | 57 mg/l (Equivalent or similar to OECD 203, 96 h, Pimephales promelas, Flow-through system, Fresh water, Experimental value)                  |
| EC50 - Crustacea [1] | 36.79 mg/l (OECD 202: Daphnia sp. Acute Immobilisation Test, 48 h, Daphnia magna, Static system, Fresh water, Experimental value, GLP)        |
| LC50 - Fish [2]      | 123 mg/l Test organisms (species): Pimephales promelas                                                                                        |
| ErC50 algae          | 120 mg/l (OECD 201: Alga, Growth Inhibition Test, 72 h, Pseudokirchneriella subcapitata, Static system, Fresh water, Experimental value, GLP) |
| LOEC (chronic)       | 10 mg/l Test organisms (species): Daphnia magna Duration: '21 d'                                                                              |
| NOEC (chronic)       | 5.9 mg/l Test organisms (species): Daphnia magna Duration: '21 d'                                                                             |

| 3,7-Dimethyl-1,6-nonadien-3-ol (10339-55-6) |                                                                                  |
|---------------------------------------------|----------------------------------------------------------------------------------|
| LC50 - Fish [1]                             | 24 mg/l Test organisms (species): Danio rerio (previous name: Brachydanio rerio) |
| EC50 - Crustacea [1]                        | 23 mg/l Test organisms (species): Daphnia magna                                  |

| ETHYL VANILLIN (121-32-4) |                                                                   |
|---------------------------|-------------------------------------------------------------------|
| LC50 - Fish [1]           | 87.6 mg/l Test organisms (species): Pimephales promelas           |
| EC50 - Crustacea [1]      | 26.2 mg/l Test organisms (species): Daphnia magna                 |
| LOEC (chronic)            | 10 mg/l Test organisms (species): Daphnia magna Duration: '21 d'  |
| NOEC (chronic)            | 5.9 mg/l Test organisms (species): Daphnia magna Duration: '21 d' |

#### 12.2. Persistence and degradability

| ETHYL MALTOL (4940-11-8)      |                                 |
|-------------------------------|---------------------------------|
| Persistence and degradability | Readily biodegradable in water. |

| DIHYDROMYRCENOL (18479-58-8)  |                                               |
|-------------------------------|-----------------------------------------------|
| Persistence and degradability | Biodegradability in water: no data available. |

| D-LIMONENE (5989-27-5)        |                                    |
|-------------------------------|------------------------------------|
| Persistence and degradability | Readily biodegradable in water.    |
| ThOD                          | 3.29 g O <sub>2</sub> /g substance |

| VANILLIN (121-33-5)           |                                 |
|-------------------------------|---------------------------------|
| Persistence and degradability | Readily biodegradable in water. |

#### 12.3. Bioaccumulative potential

| ETHYL MALTOL (4940-11-8)                        |                                                                                                               |
|-------------------------------------------------|---------------------------------------------------------------------------------------------------------------|
| Partition coefficient n-octanol/water (Log Pow) | 2.9 (Practical experience/observation, OECD 117: Partition Coefficient (n-octanol/water), HPLC method, 25 °C) |
| Bioaccumulative potential                       | Low potential for bioaccumulation (Log Kow < 4).                                                              |

# Goddess Type Fragrance

## Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

| <b>DIHYDROMYRCENOL (18479-58-8)</b>             |                                                                                                         |
|-------------------------------------------------|---------------------------------------------------------------------------------------------------------|
| Partition coefficient n-octanol/water (Log Pow) | 3.47 (Estimated value)                                                                                  |
| Bioaccumulative potential                       | Low potential for bioaccumulation (Log Kow < 4).                                                        |
| <b>D-LIMONENE (5989-27-5)</b>                   |                                                                                                         |
| BCF - Fish [1]                                  | 864.8 l/kg (BCFBAF v3.01, Pisces, QSAR, Fresh weight)                                                   |
| Partition coefficient n-octanol/water (Log Pow) | 4.38 (Experimental value, Equivalent or similar to OECD 117, 37 °C)                                     |
| Bioaccumulative potential                       | Potential for bioaccumulation (4 ≤ Log Kow ≤ 5).                                                        |
| <b>VANILLIN (121-33-5)</b>                      |                                                                                                         |
| Partition coefficient n-octanol/water (Log Pow) | 1.17 (Experimental value, OECD 107: Partition Coefficient (n-octanol/water): Shake Flask Method, 25 °C) |
| Bioaccumulative potential                       | Low potential for bioaccumulation (Log Kow < 4).                                                        |

### 12.4. Mobility in soil

| <b>ETHYL MALTOL (4940-11-8)</b>                            |                                                              |
|------------------------------------------------------------|--------------------------------------------------------------|
| Ecology - soil                                             | No (test)data on mobility of the substance available.        |
| <b>DIHYDROMYRCENOL (18479-58-8)</b>                        |                                                              |
| Ecology - soil                                             | No (test)data on mobility of the substance available.        |
| <b>D-LIMONENE (5989-27-5)</b>                              |                                                              |
| Surface tension                                            | No data available in the literature                          |
| Organic Carbon Normalized Adsorption Coefficient (Log Koc) | 3.049 – 3.801 (log Koc, SRC PCKOCWIN v2.0, Calculated value) |
| Ecology - soil                                             | Low potential for mobility in soil.                          |
| <b>VANILLIN (121-33-5)</b>                                 |                                                              |
| Organic Carbon Normalized Adsorption Coefficient (Log Koc) | 3.438 (log Koc, Experimental value)                          |
| Ecology - soil                                             | Low potential for mobility in soil.                          |

### 12.5. Other adverse effects

No additional information available

## SECTION 13: Disposal considerations

### 13.1. Disposal methods

|                                            |                                                                                               |
|--------------------------------------------|-----------------------------------------------------------------------------------------------|
| Regional waste regulation                  | : Disposal must be done according to official regulations.                                    |
| Waste treatment methods                    | : Dispose of contents/container in accordance with licensed collector's sorting instructions. |
| Sewage disposal recommendations            | : Disposal must be done according to official regulations.                                    |
| Product/Packaging disposal recommendations | : Disposal must be done according to official regulations.                                    |
| Additional information                     | : Do not re-use empty containers.                                                             |

## SECTION 14: Transport information

### Department of Transportation (DOT)

|                                         |                                                                      |
|-----------------------------------------|----------------------------------------------------------------------|
| In accordance with DOT                  |                                                                      |
| Transport document description (DOT)    | : UN1266 Perfumery products (Regulated for Bulk only), Comb Liq, III |
| UN-No. (DOT)                            | : UN1266                                                             |
| Proper Shipping Name (DOT)              | : Perfumery products<br>(Regulated for Bulk only)                    |
| Class (DOT)                             | : Comb Liq - Combustible liquid                                      |
| Packing group (DOT)                     | : III - Minor Danger                                                 |
| DOT Packaging Non Bulk (49 CFR 173.xxx) | : 203                                                                |
| DOT Packaging Bulk (49 CFR 173.xxx)     | : 242                                                                |

# Goddess Type Fragrance

## Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

|                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| DOT Special Provisions (49 CFR 172.102)                          | : B1 - If the material has a flash point at or above 38 C (100 F) and below 93 C (200 F), then the bulk packaging requirements of 173.241 of this subchapter are applicable. If the material has a flash point of less than 38 C (100 F), then the bulk packaging requirements of 173.242 of this subchapter are applicable.<br>IB3 - Authorized IBCs: Metal (31A, 31B and 31N); Rigid plastics (31H1 and 31H2); Composite (31HZ1 and 31HA2, 31HB2, 31HN2, 31HD2 and 31HH2). Additional Requirement: Only liquids with a vapor pressure less than or equal to 110 kPa at 50 C (1.1 bar at 122 F), or 130 kPa at 55 C (1.3 bar at 131 F) are authorized, except for UN2672 (also see Special Provision IP8 in Table 2 for UN2672).<br>T2 - 1.5 178.274(d)(2) Normal..... 178.275(d)(3)<br>TP1 - The maximum degree of filling must not exceed the degree of filling determined by the following: Degree of filling = $97 / (1 + a (tr - tf))$ Where: tr is the maximum mean bulk temperature during transport, and tf is the temperature in degrees celsius of the liquid during filling. |
| DOT Packaging Exceptions (49 CFR 173.xxx)                        | : 150                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27) | : 60 L                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75)     | : 220 L                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| DOT Vessel Stowage Location                                      | : A - The material may be stowed "on deck" or "under deck" on a cargo vessel and on a passenger vessel.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Emergency Response Guide (ERG) Number                            | : 127                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Other information                                                | : No supplementary information available.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |

### Transportation of Dangerous Goods

Not regulated

### Transport by sea

Not regulated

### Air transport

Not regulated

## SECTION 15: Regulatory information

### 15.1. US Federal regulations

#### 2-Isobutyl-4-methyltetrahydro-2H-pyran-4-ol (63500-71-0)

|                          |                                                  |
|--------------------------|--------------------------------------------------|
| EPA TSCA Regulatory Flag | PMN - PMN - indicates a commenced PMN substance. |
|--------------------------|--------------------------------------------------|

#### 5-(2,2,3-Trimethyl-3-cyclopentenyl)-3-methylpentan-2-ol (65113-99-7)

|                                                                           |
|---------------------------------------------------------------------------|
| Listed on the United States TSCA (Toxic Substances Control Act) inventory |
|---------------------------------------------------------------------------|

#### ETHYL VANILLIN (121-32-4)

|                                                                           |
|---------------------------------------------------------------------------|
| Listed on the United States TSCA (Toxic Substances Control Act) inventory |
|---------------------------------------------------------------------------|

### 15.2. International regulations

#### CANADA

#### HYDROXYCITRONELLAL (107-75-5)

|                                                       |
|-------------------------------------------------------|
| Listed on the Canadian DSL (Domestic Substances List) |
|-------------------------------------------------------|

#### 2-Isobutyl-4-methyltetrahydro-2H-pyran-4-ol (63500-71-0)

|                                                       |
|-------------------------------------------------------|
| Listed on the Canadian DSL (Domestic Substances List) |
|-------------------------------------------------------|

# Goddess Type Fragrance

## Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

### ETHYL MALTOL (4940-11-8)

Listed on the Canadian DSL (Domestic Substances List)

### DIHYDROMYRCENOL (18479-58-8)

Listed on the Canadian DSL (Domestic Substances List)

### D-LIMONENE (5989-27-5)

Listed on the Canadian DSL (Domestic Substances List)

### 5-(2,2,3-Trimethyl-3-cyclopentenyl)-3-methylpentan-2-ol (65113-99-7)

Listed on the Canadian DSL (Domestic Substances List)

### LINALYL ACETATE (115-95-7)

Listed on the Canadian DSL (Domestic Substances List)

### VANILLIN (121-33-5)

Listed on the Canadian DSL (Domestic Substances List)

### 3,7-Dimethyl-1,6-nonadien-3-ol (10339-55-6)

Listed on the Canadian DSL (Domestic Substances List)

### 1-(2,3,8,8-Tetramethyl-1,2,3,4,5,6,7,8-octahydronaphthalen-2-yl)ethanone (54464-57-2)

Listed on the Canadian DSL (Domestic Substances List)

### ETHYL VANILLIN (121-32-4)

Listed on the Canadian DSL (Domestic Substances List)

### EU-Regulations

No additional information available

### National regulations

#### HYDROXYCITRONELLAL (107-75-5)

Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active

#### 2-Isobutyl-4-methyltetrahydro-2H-pyran-4-ol (63500-71-0)

Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active

Listed on INSQ (Mexican National Inventory of Chemical Substances)

#### ETHYL MALTOL (4940-11-8)

Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active

Listed on INSQ (Mexican National Inventory of Chemical Substances)

#### DIHYDROMYRCENOL (18479-58-8)

Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active

Listed on INSQ (Mexican National Inventory of Chemical Substances)

#### D-LIMONENE (5989-27-5)

Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active

Listed on INSQ (Mexican National Inventory of Chemical Substances)

#### LINALYL ACETATE (115-95-7)

Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active

Listed on INSQ (Mexican National Inventory of Chemical Substances)

#### VANILLIN (121-33-5)

Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active

Listed on INSQ (Mexican National Inventory of Chemical Substances)

#### 3,7-Dimethyl-1,6-nonadien-3-ol (10339-55-6)

Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active

Listed on INSQ (Mexican National Inventory of Chemical Substances)

#### 1-(2,3,8,8-Tetramethyl-1,2,3,4,5,6,7,8-octahydronaphthalen-2-yl)ethanone (54464-57-2)

Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active

Listed on INSQ (Mexican National Inventory of Chemical Substances)

### 15.3. US State regulations

Prop 65 available upon request

# Goddess Type Fragrance

## Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

### SECTION 16: Other information

Full text of H-statements:

|      |                                               |
|------|-----------------------------------------------|
| H226 | Flammable liquid and vapour.                  |
| H227 | Combustible liquid                            |
| H302 | Harmful if swallowed.                         |
| 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.                |
| H320 | Causes eye irritation                         |
| H336 | May cause drowsiness or dizziness.            |

SDS US (GHS HazCom 2012) [Prop65]

*This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.*