

42109 State Route 18  
Wellington, OH 44090  
PHONE: 440-647-0100 FAX: 440-647-0220  
<http://www.naturesgardencandles.com>  
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## Safety Data Sheet

Product: **Butterfly Hugs  
Fragrance Oil**

### 1. Identification of the substance/mixture and of the company/undertaking

#### 1.1 Product identifier

**Trade Name:** Butterfly Hugs Fragrance Oil

#### 1.2 Relevant identified product use

**Intended use:** Compound used in customer substance/mixture/product

#### 1.3 Details of the manufacturer/supplier of the safety data sheet

**Supplier:** **Natures Garden Fragrances**  
42109 State Route 18  
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<http://www.naturesgardencandles.com>  
Department E-mail address: [info@naturesgardencandles.com](mailto:info@naturesgardencandles.com)

### 2. Hazards Identification

#### 2.1 Classification of the substance or mixture

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 the regulation(s) noted below.

##### Classification according to GHS Regulation (EC) No 1272/2008

Skin Corrosion/Irritation, Category 3	H316: Causes mild skin irritation
Sensitization, Skin, Category 1A	H317: May cause an allergic skin reaction
Acute Toxicity Inhalation, Category 5	H333: May be harmful if inhaled
Aquatic Chronic Toxicity, Category 2	H411: Toxic to aquatic life with long lasting effects

##### Classification EU (67/548/EEC, 199/45/EC)

N	Dangerous for the Environment
	R51/53 : Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
Xi	Irritant
	R43 : May cause sensitization by skin contact

#### 2.2 Label elements

##### Labeling (REGULATION (EC) No 1272/2008)

##### Hazard pictograms



**Signal Word: Warning**

##### Hazard statements

H316	Causes mild skin irritation
H317	May cause an allergic skin reaction
H333	May be harmful if inhaled

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H411 Toxic to aquatic life with long lasting effects

### Precautionary Statements

#### Prevention:

P272 Contaminated work clothing should not be allowed out of the workplace  
P273 Avoid release to the environment

#### Response:

P302 + P352 IF ON SKIN: Wash with soap and water  
P304 + P312 IF INHALED: Call a POISON CENTER or doctor/physician if you feel unwell  
P333 + P313 If skin irritation or a rash occurs: Get medical advice/attention  
P363 Wash contaminated clothing before reuse  
P391 Collect Spillage

### 2.3 Other Hazards

no data available

## 3. Composition/Information on Ingredients

### 3.1 Mixtures

This product is a complex mixture of ingredients, which contains among others the following substance(s), presenting a health or environmental hazard within the meaning of the UN Globally Harmonized System of Classification and Labeling of Chemicals (GHS):

CAS# Ingredient	EC#	Conc. Range	GHS Classification	EU Classification
84-66-2 <i>Diethyl phthalate</i>	201-550-6	5 - 10 %	H316; H402	
54464-57-2 <i>Tetramethyl Acetyloctahydronaphthalenes</i>	259-174-3	1 - 2 %	H315; H317; H400; H410	N - R51/53; Xi - R38, R43
8008-57-9 <i>Citrus aurantium dulcis (Orange) oil</i>	232-433-8	1 - 2 %	H226; H304; H315; H400; H410	R10; N - R50/53; Xi - R38, R43; Xn - R65
80-54-6 <i>Butylphenyl Methylpropional</i>	201-289-8	0.1 - 1.0 %	H227; H302; H315; H317; H361; H401; H411	N - R51/53; Xi - R38, R43; Xn - R22, R62, Repr Cat 3
23696-85-7 <i>1-(2,6,6-Trimethylcyclohexa-1,3-dienyl)-2-buten-1-one (Damascenone)</i>	245-833-2	0.1 - 1.0 %	H316; H317; H401; H411	N - R51/53; Xi - R43
18127-01-0 <i>p-tert-Butylidihydrocinnamaldehyde</i>	242-016-2	0.1 - 1.0 %	H227; H303; H315; H317; H361; H373; H401	N - R51/53; Xi - R38, R43; Xn - R62, Repr Cat 3

See Section 16 for full text of GHS classification codes

Total Hydrocarbon Content (% w/w) = 1.30

## 4. First Aid Measures

### 4.1 Description of first aid measures

**Inhalation:** Remove from exposure site to fresh air and keep at rest.  
Obtain medical advice.

**Eye Exposure:** Flush immediately with water for at least 15 minutes.  
Contact physician if symptoms persist.

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**Skin Exposure:**

Remove contaminated clothes. Wash thoroughly with water (and soap).  
Contact physician if symptoms persist.

**Ingestion:**

Rinse mouth with water and obtain medical advice.

**4.2 Most important symptoms and effects, both acute and delayed****Symptoms:**

no data available

**Risks:**

Refer to Section 2.2 "Hazard Statements"

**4.3 Indication of any immediate medical attention and special treatment needed****Treatment:**

Refer to Section 2.2 "Response"

## 5. Fire-Fighting measures

**5.1 Extinguishing media****Suitable:**

Carbon dioxide (CO<sub>2</sub>), Dry chemical, Foam

**Unsuitable**

Do not use a direct water jet on burning material

**5.2 Special hazards arising from the substance or mixture****During fire fighting:**

Water may be ineffective

**5.3 Advice for firefighters****Further information:**

Standard procedure for chemical fires

## 6. Accidental Release Measures

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

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

**6.2 Environmental precautions**

Keep away from drains, soil, and surface and groundwater.

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

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.

**6.4 Reference to other sections**

Not Applicable

## 7. Handling and Storage

**7.1 Precautions for safe handling**

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

**7.2 Conditions for safe storage, including any incompatibilities**

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.

**7.3 Specific end uses**

No information available

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### 8. Exposure Controls/Personal Protection

#### 8.1 Control parameters

##### Exposure Limits:

Component	ACGIH	ACGIH	OSHA	OSHA
	TWA ppm	STEL ppm	TWA ppm	STEL ppm
84-66-2 <i>Diethyl phthalate</i>				5

**Engineering Controls:** Use local exhaust as needed.

#### 8.2 Exposure controls - Personal protective equipment

- Eye protection:** Tightly sealed goggles, face shield, or safety glasses with brow guards and side shields, etc. as may be appropriate for the exposure
- Respiratory protection:** Avoid excessive inhalation of concentrated vapors. Apply local ventilation where appropriate.
- Skin protection:** Avoid Skin contact. Use chemically resistant gloves as needed.

### 9. Physical and Chemical Properties

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

<b>Appearance:</b>	Conforms to Standard
<b>Odor:</b>	Conforms to Standard
<b>Color:</b>	Tint Yellow to Yellow
<b>Viscosity:</b>	Liquid
<b>Freezing Point:</b>	Not determined
<b>Boiling Point:</b>	Not determined
<b>Melting Point:</b>	Not determined
<b>Flashpoint:</b>	>200 F (93.33 C)
<b>Auto flammability:</b>	Not determined
<b>Explosive Properties:</b>	None Expected
<b>Oxidizing properties:</b>	None Expected
<b>Vapor Pressure (mmHg@20 C):</b>	0.0145
<b>%VOC:</b>	2.0383
<b>Specific Gravity @ 25 C:</b>	0.9365
<b>Density @ 25 C:</b>	0.9335
<b>Refractive Index @ 20 C:</b>	1.4530
<b>Soluble in:</b>	Oil

### 10. Stability and Reactivity

<b>10.1 Reactivity</b>	None
<b>10.2 Chemical stability</b>	Stable
<b>10.3 Possibility of hazardous reactions</b>	None known
<b>10.4 Conditions to avoid</b>	None known
<b>10.5 Incompatible materials</b>	Strong oxidizing agents, strong acids, and alkalis

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**10.6 Hazardous decomposition products**      None known

### 11. Toxicological Information

#### 11.1 Toxicological Effects

Acute Toxicity Estimates (ATEs) based on the individual Ingredient Toxicity Data utilizing the "Additivity Formula"

<b>Acute toxicity - Oral - mg/kg</b>	(LD50: 5,365.59) Not classified - the classification criteria are not met
<b>Acute toxicity - Dermal - mg/kg</b>	(LD50: 7,078.01) Not classified - the classification criteria are not met
<b>Acute toxicity - Inhalation - mg/L/4hr</b>	(LC50: 57.90) May be harmful if inhaled
<b>Skin corrosion / irritation</b>	Causes mild skin irritation
<b>Serious eye damage / irritation</b>	Not classified - the classification criteria are not met
<b>Respiratory sensitization</b>	Not classified - the classification criteria are not met
<b>Skin sensitization</b>	May cause an allergic skin reaction
<b>Germ cell mutagenicity</b>	Not classified - the classification criteria are not met
<b>Carcinogenicity</b>	Not classified - the classification criteria are not met
<b>Reproductive toxicity</b>	Not classified - the classification criteria are not met
<b>Specific target organ toxicity - single exposure</b>	Not classified - the classification criteria are not met
<b>Specific target organ toxicity - repeated exposure</b>	Not classified - the classification criteria are not met
<b>Aspiration hazard</b>	Not classified - the classification criteria are not met

### 12. Ecological Information

#### 12.1 Toxicity

<b>Acute aquatic toxicity</b>	Not classified - the classification criteria are not met
<b>Chronic aquatic toxicity</b>	Toxic to aquatic life with long lasting effects
<b>Toxicity Data on soil</b>	no data available
<b>Toxicity on other organisms</b>	no data available

**12.2 Persistence and degradability**      no data available

**12.3 Bioaccumulative potential**      no data available

**12.4 Mobility in soil**      no data available

**12.5 Other adverse effects**      no data available

### 13. Disposal Conditions

#### 13.1 Waste treatment methods

Do not allow product to reach sewage systems. Dispose of in accordance with all local and national regulations. Send to a licensed waste management company. The product should not be allowed to enter drains, water courses or the soil. Do not contaminate ponds, waterways or ditches with chemical or used container.

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### 14. Transport Information

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

### 15. Regulatory Information

#### Additional European Regulations:

**European Union (EINECS, ELINCS or NLP):** 100.00% (by Wt) of the components are listed or exempt.

#### Additional Asian Regulations:

**Australian AICS:** 100.00% (by Wt) of the ingredients on AICS or notified.

**Chinese IECS:** 100.00% (by Wt) of the ingredients on IECS.

**Japan ENCS:** 99.70% (by Wt) of the ingredients on ENCS, fall within the 1000 kilogram per annum exemption or have been notified.

**Korea KECL:** 99.56% (by Wt) of the ingredients on KECL, fall within the 100 kilogram per annum exemption or have been notified.

**New Zealand NZIoC:** 99.98% (by Wt) of the ingredients on NZIoC.

**Philippines PICCS:** 100.00% (by Wt) of the ingredients on PICCS.

**The Status of the following ingredient(s) is NOT known for the registration lists noted;**

#### Lists noted within <> brackets after name

18127-01-0	242-016-2	0.1 - 1.0 %	p-tert-Butyldihydrocinnamaldehyde : < KECL>
33704-61-9	251-649-3	0.1 - 1.0 %	6,7-Dihydro-1,1,2,3,3-pentamethyl-4(5H)-indanone (Cashmeran) : < KECL>
23696-85-7	245-833-2	0.1 - 1.0 %	1-(2,6,6-Trimethylcyclohexa-1,3-dienyl)-2-buten-1-one (Damascenone) : < KECL>
63500-71-0	405-040-6	0.1 - 1.0 %	TETRAHYDRO-METHYL-METHYLPROPYL)-PYRAN-4-OL : < ENCS>
60047-17-8	262-038-6	0.01 - 0.1%	2-(Tetrahydro-5-methyl-5-vinyl-2-furyl)propan-2-ol : < NZIoC>

### 16. Other Information

**GHS H-Statements referred to under section 3**

**Total Fractional Values**

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(TFV) Risk  
(1.55) Skin Corrosion/Irritation, Category 3  
(1.70) Aquatic Chronic Toxicity, Category 2

(TFV) Risk  
(1.80) Sensitization, Skin, Category 1A

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### Remarks

This safety data sheet is based on the properties of the material known to Natures Garden Fragrances™ at the time the data sheet was issued. The safety data sheet is intended to provide information for a health and safety assessment of the material and the circumstances, under which it is packaged, stored or applied in the workplace. For such a safety assessment Natures Garden Fragrances™ holds no responsibility. This document is not intended for quality assurance purposes.