

## PEONY & FERN

Version 9

Revision Date 14.03.2016

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### SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

#### 1.1 Product identifier

Commercial Product Name : PEONY & FERN

#### 1.2 Relevant identified uses of the substance or mixture and uses advised against

Use of the Substance/Mixture : Fragrance

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

Candle Supply Pty Ltd  
Unit 3 8-9 Lagana Place  
Wetherill Park, NSW 2164  
ABN: 70612899626

Phone Number: 02 8741 4000  
e-mail: [customerservice@candlesupply.com.au](mailto:customerservice@candlesupply.com.au)

#### 1.4 Emergency telephone number

13 11 26

### SECTION 2: HAZARDS IDENTIFICATION

#### 2.1 Classification of the substance or mixture

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

Acute toxicity, Category 4, Oral	H302
Skin sensitisation, Category 1	H317
Acute aquatic toxicity, Category 1	H400
Chronic aquatic toxicity, Category 2	H411

#### 2.2 Label elements

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

Hazard pictograms :



Signal word : Warning

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Hazard statements	: H302 H317 H410	Harmful if swallowed. May cause an allergic skin reaction. Very toxic to aquatic life with long lasting effects.
Precautionary statements	: <b>Prevention:</b> P264 P273 P280  <b>Response:</b> P301 + P312 + P330  P302 + P352 P333 + P313	Wash skin thoroughly after handling. Avoid release to the environment. Wear protective gloves/ protective clothing/ eye protection/ face protection.  IF SWALLOWED: Call a POISON CENTER or doctor/ physician if you feel unwell. Rinse mouth.  IF ON SKIN: Wash with plenty of water. If skin irritation or rash occurs: Get medical advice/ attention.

Contains : BENZYL BENZOATE, 2-(4-TERT-BUTYLBENZYL)PROPIONALDEHYDE, BENZYL SALICYLATE, 1-(1,2,3,4,5,6,7,8-OCTAHYDRO-2,3,8,8-TETRAMETHYL-2-NAPHTHYL)ETHAN-1-ONE.

### 2.3 Other hazards

No data available

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

### 3.1 Substances

No data available

### 3.2 Mixtures

#### Hazardous components

Chemical Name	CAS-No. EC-No. Registration number	Classification (REGULATION (EC) No 1272/2008)	Concentration [%]
Benzyl benzoate <sup>1)</sup>	120-51-4 204-402-9 01-2119976371-33 01-2119976371-33	Acute Tox.: 4 (Oral); H302 Aquatic Acute: 1; H400 Aquatic Chronic: 2; H411	>= 50 - <= 100
1,3,4,6,7,8-Hexahydro- 4,6,6,7,8,8- hexamethylindeno[5,6- c]pyran <sup>2)</sup>	1222-05-5 214-946-9 01-2119488227-29 01-2119488227-29	Aquatic Acute: 1; H400 Aquatic Chronic: 1; H410	>= 1 - < 5
Benzyl salicylate	118-58-1 204-262-9 01-2119969442-31 01-2119969442-31	Skin Sens.: 1B; H317 Eye Irrit.: 2; H319 Aquatic Chronic: 3; H412	>= 1 - < 5
3,7-Dimethylnona-1,6- dien-3-ol	10339-55-6 233-732-6 01-2119969272-32	Skin Irrit.: 2; H315 Eye Irrit.: 2; H319	>= 1 - < 5
1-(1,2,3,4,5,6,7,8- Octahydro-2,3,8,8- tetramethyl-2- naphthyl)ethan-1-one	54464-57-2 259-174-3 01-2119489989-04	Skin Irrit.: 2; H315 Aquatic Chronic: 1; H410 Skin Sens.: 1; H317	>= 1 - < 5

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2-(4-tert-Butylbenzyl)propionaldehyde	80-54-6 201-289-8 01-2119485965-18	Repr.: 2; H361 Aquatic Chronic: 2; H411 Skin Sens.: 1; H317 Skin Irrit.: 2; H315 Acute Tox.: 4 (Oral); H302	>= 1 - < 5
Linalool	78-70-6 201-134-4	Eye Irrit.: 2; H319 Skin Irrit.: 2; H315	>= 1 - < 5
1-(5,6,7,8-Tetrahydro-3,5,5,6,8,8-hexamethyl-2-naphthyl)ethan-1-one <sup>1)</sup>	1506-02-1 21145-77-7 216-133-4 244-240-6 01-2119539433-40	Acute Tox.: 4 (Oral); H302 Aquatic Acute: 1; H400 Aquatic Chronic: 1; H410 M-Factor: 1	>= 1 - < 5
2-Phenylethanol	60-12-8 200-456-2 01-2119963921-31	Eye Irrit.: 2; H319 Acute Tox.: 4 (Oral); H302	>= 1 - < 5
Citronellol	106-22-9 203-375-0 01-2119453995-23	Eye Irrit.: 2; H319 Skin Sens.: 1; H317 Skin Irrit.: 2; H315	>= 1 - < 5
4-(4-Hydroxy-4-methylpentyl)cyclohex-3-enecarbaldehyde	31906-04-4 250-863-4	Skin Sens.: 1; H317	>= 1 - < 5
cis-4-(Isopropyl)cyclohexanemethanol	13828-37-0 237-539-8	Skin Sens.: 1; H317	>= 1 - < 5
7-Hydroxycitronellal	107-75-5 203-518-7 01-2119973482-31 01-2119973482-31	Eye Irrit.: 2; H319 Skin Sens.: 1B; H317	>= 1 - < 5
(Z)-3-Hexenyl salicylate <sup>1)</sup>	65405-77-8 265-745-8	Aquatic Acute: 1; H400 Aquatic Chronic: 1; H410	>= 0,1 - < 1
1,4-Dioxacycloheptadecane-5,17-dione	105-95-3 203-347-8 01-2119976314-33	not hazardous	>= 0,1 - < 1
Geraniol	106-24-1 203-377-1 01-2119552430-49	Skin Irrit.: 2; H315 Eye Dam.: 1; H318 Skin Sens.: 1; H317	>= 0,1 - < 1
3-Methyl-4-(2,6,6-trimethyl-2-cyclohexen-1-yl)-3-buten-2-one	127-51-5 204-846-3	Skin Irrit.: 2; H315 Aquatic Chronic: 2; H411 Skin Sens.: 1; H317	>= 0,1 - < 1
Pentadecan-15-olide <sup>1)</sup>	106-02-5 203-354-6 01-2119987323-31-0000	Skin Sens.: 1; H317 Aquatic Chronic: 2; H411	>= 0,1 - < 1
3-p-Cumenyl-2-methylpropionaldehyde	103-95-7 203-161-7	Skin Irrit.: 2; H315 Skin Sens.: 1B; H317 Aquatic Chronic: 3; H412	>= 0,1 - < 1
3-(4-tert-Butylphenyl)propionaldehyde	18127-01-0 242-016-2	Skin Irrit.: 2; H315 Skin Sens.: 1; H317 Repr.: 2; H361 STOT RE: 2 (Oral); H373	>= 0,1 - < 1
Eugenol	97-53-0 202-589-1	Skin Sens.: 1; H317 Eye Irrit.: 2; H319	>= 0,1 - < 1
.alpha.-Methyl-1,3-benzodioxole-5-propionaldehyde	1205-17-0 214-881-6	Aquatic Chronic: 2; H411 Skin Sens.: 1; H317	>= 0,1 - < 1

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(R)-p-Mentha-1,8-diene	5989-27-5 227-813-5	Asp. Tox.: 1; H304 Aquatic Chronic: 1; H410 Aquatic Acute: 1; H400 Skin Sens.: 1; H317 Skin Irrit.: 2; H315 Flam. Liq.: 3; H226	>= 0,1 - < 1
Farnesol	4602-84-0 225-004-1	Eye Irrit.: 2; H319 Skin Irrit.: 2; H315 Skin Sens.: 1; H317	>= 0,1 - < 1
[R-(E)]-1-(2,6,6-Trimethyl-2-cyclohexen-1-yl)pent-1-en-3-one	127-42-4 204-842-1	Skin Irrit.: 2; H315 Aquatic Chronic: 2; H411	>= 0,1 - < 1
Phenylacetaldehyde	122-78-1 204-574-5	Skin Sens.: 1; H317 Acute Tox.: 4 (Oral); H302	>= 0,1 - < 1
Isoeugenol	97-54-1 202-590-7	Acute Tox.: 4 (Oral); H302 Acute Tox.: 4 (Dermal); H312 Skin Irrit.: 2; H315 Eye Irrit.: 2; H319 Skin Sens.: 1A; H317	>= 0,1 - < 1
1-(2,6,6-Trimethyl-1,3-cyclohexadien-1-yl)-2-butanol	23696-85-7 245-833-2	Skin Sens.: 1A; H317 Aquatic Chronic: 2; H411	>= 0,001 - < 0,025

Acute aquatic toxicity:

<sup>1)</sup> 0,1 < L(E)C50 <= 1 mg/l

<sup>2)</sup> 0,01 < L(E)C50 <= 0,1 mg/l

### SECTION 4: FIRST AID MEASURES

#### 4.1 Description of first aid measures

- General advice : Move out of dangerous area.  
Never give anything by mouth to an unconscious person.
- Inhalation : Move to fresh air.
- Skin contact : Take off all contaminated clothing immediately.  
If symptoms persist, call a physician.
- Eye contact : Immediately flush eye(s) with plenty of water.
- Ingestion : Clean mouth with water and drink afterwards plenty of water.  
Prevent vomiting if possible.  
If a person vomits when lying on his back, place him in the recovery position.  
Never give anything by mouth to an unconscious person.  
If accidentally swallowed obtain immediate medical attention.

#### 4.2 Most important symptoms and effects, both acute and delayed

No data available

#### 4.3 Indication of any immediate medical attention and special treatment needed

No data available

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### **SECTION 5: FIREFIGHTING MEASURES**

#### **5.1 Extinguishing media**

Suitable extinguishing media : Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Extinguishing media which shall not be used for safety reasons : High volume water jet

#### **5.2 Special hazards arising from the substance or mixture**

Specific hazards during firefighting : Do not use a solid water stream as it may scatter and spread fire.  
Do not allow run-off from fire fighting to enter drains or water courses.

#### **5.3 Advice for firefighters**

Special protective equipment for firefighters : In the event of fire, wear self-contained breathing apparatus.

Further information : In the event of fire and/or explosion do not breathe fumes.  
Use water spray to cool unopened containers.  
Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.  
Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

### **SECTION 6: ACCIDENTAL RELEASE MEASURES**

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

Personal precautions : Ensure adequate ventilation.  
Use personal protective equipment.

#### **6.2 Environmental precautions**

Environmental precautions : Should not be released into the environment.  
Avoid subsoil penetration.  
Prevent further leakage or spillage if safe to do so.  
If the product contaminates rivers and lakes or drains inform respective authorities.

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

Methods for cleaning up : Wipe up with absorbent material (e.g. cloth, fleece).

Additional advice : Local authorities should be advised if significant spillages cannot be contained.  
Suppress (knock down) gases/vapours/mists with a water spray jet.

#### **6.4 Reference to other sections**

For personal protection see section 8.

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### SECTION 7: HANDLING AND STORAGE

#### 7.1 Precautions for safe handling

Advice on safe handling : Dispose of rinse water in accordance with local and national regulations. For personal protection see section 8.

Advice on protection against fire and explosion : When using do not smoke.

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

Requirements for storage areas and containers : Store in original container. Keep container tightly closed in a dry and well-ventilated place. To maintain product quality, do not store in heat or direct sunlight. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Advice on common storage : No special restrictions on storage with other products.

Other data : No decomposition if stored and applied as directed.

#### 7.3 Specific end use(s)

Fragrance

### SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

#### 8.1 Control parameters

##### Components with workplace control parameters, Germany:

Components	CAS-No.	Control parameters	Update	Basis
(R)-p-Mentha-1,8-diene	5989-27-5	AGW 20 ppm	07 2009	TRGS 900

#### 8.2 Exposure controls

##### Engineering measures

none

##### Personal protective equipment

Respiratory protection : No personal respiratory protective equipment normally required.

Hand protection : Wear chemicals-resistant gloves, e.g. safety gloves of chloroprene Level 2 or of butyl rubber Level 6.

Eye protection : Safety glasses

Skin and body protection : Lightweight protective clothing

Hygiene measures : Wash hands before breaks and immediately after handling the product.

Protective measures : When using do not eat, drink or smoke.

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### SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

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

##### Appearance

Colour	:	pale yellow to yellow-orange
Odour	:	characteristic
Odour Threshold	:	No data available

##### Safety data

Flash point	:	> 100 °C
Water solubility	:	
Relative density	:	1,0613 - 1,0813 at 20 °C relation to density of water at 20°C
Bulk density	:	Not applicable
Relative vapour density	:	not determined
Vapour pressure	:	< 1 kPa at 50 °C calculated
Melting point/freezing point	:	not determined
Boiling point	:	not determined
Partition coefficient: n-octanol/water	:	log Pow: Not applicable
pH	:	not determined
Evaporation rate	:	Not applicable
Flammability (solid, gas)	:	Not applicable
Auto-ignition temperature	:	The substance or mixture is not classified as self heating.
Decomposition temperature	:	No data available
Oxidizing properties	:	The substance or mixture is not classified as oxidizing.
Explosive properties	:	Due to its structural properties, the product is not classified as explosive
Lower explosion limit	:	Vapours may form explosive mixtures with air.
Upper explosion limit	:	Vapours may form explosive mixtures with air.

A final assessment of potential explosion hazards can only be made on a case-by-case basis when precise information is available on product handling, production setup and the circumstances surrounding the use of the product.

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### 9.2 Other data

None.

## SECTION 10: STABILITY AND REACTIVITY

- 10.1 Reactivity** : No data available
- 10.2 Chemical stability** : No data available
- 10.3 Possibility of hazardous reactions** : No dangerous reaction known under conditions of normal use.
- 10.4 Conditions to avoid** : No data available
- 10.5 Incompatible materials to avoid** : No data available
- 10.6 Hazardous decomposition products** : No data available

## SECTION 11: TOXICOLOGICAL INFORMATION

### 11.1 Information on toxicological effects

- Acute oral toxicity : Acute toxicity estimate : 720,76 mg/kg, Calculation method
- Acute inhalation toxicity : No data available
- Acute dermal toxicity : No data available
- Repeated dose toxicity : No data available
- Acute toxicity (other routes of administration) : No data available
- Skin irritation : No data available
- Eye irritation : No data available
- Sensitisation : No data available
- Mutagenicity : No data available
- Carcinogenicity : No data available
- Reproductive toxicity : No data available
- Teratogenicity : No data available
- Specific target organ toxicity - single exposure : No data available
- Specific target organ toxicity - repeated exposure : No data available
- Aspiration toxicity : No data available



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### SECTION 12: ECOLOGICAL INFORMATION

#### 12.1 Toxicity

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 Results of PBT and vPvB assessment

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

#### 12.6 Other adverse effects

Very toxic to aquatic life with long lasting effects.

### SECTION 13: DISPOSAL CONSIDERATIONS

#### 13.1 Waste treatment methods

Product : Where possible recycling is preferred to disposal or incineration.  
If recycling is not practicable, dispose of in compliance with local regulations.

Contaminated packaging : Empty remaining contents.  
Dispose of as unused product.

### SECTION 14: TRANSPORT INFORMATION

#### 14.1 UN number

ADR : 3082  
RID : 3082  
IMDG : 3082  
IATA-DGR : 3082

#### 14.2 Proper shipping name

ADR : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (BENZYL BENZOATE)  
RID : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (BENZYL BENZOATE)  
IMDG : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (BENZYL BENZOATE, HEXAHYDROHEXAMETHYL CYCLOPENTABENZOPYRAN) MP  
IATA-DGR : Environmentally hazardous substance, liquid, n.o.s. (BENZYL BENZOATE)

#### 14.3 Transport hazard class

ADR : 9  
RID : 9

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IMDG : 9  
IATA-DGR : 9

### 14.4 Packing group

ADR:

Packaging group : III  
Classification Code : M6  
Hazard Identification  
Number : 90  
Labels : 9  
Tunnel restriction code : (E)

RID:

Packaging group : III  
Classification Code : M6  
Hazard Identification  
Number : 90  
Labels : 9

IMDG:

Packaging group : III  
Labels : 9  
EmS - EmS : F-A , S-F

IATA-DGR:

Packing instruction (cargo  
aircraft) : 964  
Qty/Pkg (Cargo) : 450,00 L  
Packing instruction  
(passenger aircraft) : 964  
Qty/Pkg (Passenger) : 450,00 L  
Packaging group : III  
Labels : 9MI

### 14.5 Environmental hazards

ADR:

Environmentally hazardous : yes

RID:

Environmentally hazardous : yes

IMDG:

Marine pollutant : yes

IATA-DGR:

Environmentally hazardous : yes

### 14.6 Special precautions for user

No data available

### 14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

## SECTION 15: REGULATORY INFORMATION

### 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

#### National legislation

Risk classification according : Exempt  
to BetrSichV (Germany)

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Water contaminating class : WGK 2 (water endangering)  
(Germany) Calculation acc. Annex 4 to VwVwS

### 15.2 Chemical Safety Assessment

No data available

## SECTION 16: OTHER INFORMATION

### Full text of H-Statements referred to under sections 2 and 3.:

H226	Flammable liquid and vapour.
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H312	Harmful in contact with skin.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H361	Suspected of damaging fertility or the unborn child.
H373	May cause damage to organs through prolonged or repeated exposure if swallowed.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

### Further information

*The data contained in this Safety Data Sheet is accurate to the best knowledge of Candle Supply Pty Ltd, applies to the product as supplied Candle Supply Pty Ltd, and does not relate to use in combination with any other material or in any process. Data and information is furnished without warranty expressed or implied, nor does Candle Supply Pty Ltd, assume responsibility for use or reliance upon this data.*

*This SDS is current to the date listed above. However, the GHS classifications may change due to hazard communication updates by the overseeing governing body. For the most current SDS information please contact [customerservice@candlesupply.com.au](mailto:customerservice@candlesupply.com.au)*