

## 1. IDENTIFICATION

**Product Name:** Eucalyptus Fragrance  
**Other Names:**  
**Product Use Description:** Fragrance for Consumer Product.  
**Contact Information:**

Organisation	Location	Telephone	Ask For
Adelaide Moulding and Candle Supplies	7 Woodlands Terrace Edwardstown, South Australia, 5039	08 8294 0451	SDS Officer
Poisons Information Centre		13 11 26	

## 2. HAZARD IDENTIFICATION

**Classification of Substance:** Flammable Liquid, Hazard Category 4  
Acute Toxicity - Oral Category 5  
Skin Corrosion / Irritation Category 2  
Eye Damage / Irritation Category 2  
Sensitization - Skin Category 1  
Hazardous to the Aquatic Environment - Acute Hazard Category 1  
Hazardous to the Aquatic Environment - Long-term Hazard Category 2  
H227, Combustible liquid.  
H303, May be harmful if swallowed.  
H315, Causes skin irritation.  
H317, May cause an allergic skin reaction.  
H319, Causes serious eye irritation.  
H400, Very toxic to aquatic life.  
H411, Toxic to aquatic life with long lasting effects.

**Hazard Pictogram(s):**



**Signal Word:** WARNING

**Hazard Statements (s):** H227, Combustible liquid.  
H303, May be harmful if swallowed.  
H315, Causes skin irritation.  
H317, May cause an allergic skin reaction.  
H319, Causes serious eye irritation.  
H400, Very toxic to aquatic life.  
H411, Toxic to aquatic life with long lasting effects.

**Precautionary Statements(s):** P210, Keep away from heat, sparks, open flames and hot surfaces. - No smoking.  
P261, Avoid breathing vapour 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.  
P302/352, IF ON SKIN: Wash with plenty of soap and water.  
P305/351/338, IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P312, Call a POISON CENTRE or doctor/physician if you feel unwell.  
P333/313, If skin irritation or rash occurs: Get medical advice/attention.  
P337/313, If eye irritation persists: Get medical advice/attention.

P362, Take off contaminated clothing and wash before reuse.  
P370/378, In case of fire: Use carbon dioxide, dry chemical, foam for extinction.  
P391, Collect spillage.  
P403/235, Store in a well-ventilated place. Keep cool.  
P501, Dispose of contents/container to approved disposal site, in accordance with local regulations.

**Other Hazards:** None

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

**Mixtures:**

EC No	CAS No	Description	GHS Classification	Concentration
204-402-9	120-51-4	Benzyl benzoate	Acute Tox. 4-Acute Tox. 5-Aquatic Acute 1-Aquatic Chronic 2;H302-H313-H400-H411	20-<50%
226-394-6	5392-40-5	Citral	Acute Tox. 5-Skin Irrit. 2-Eye Irrit. 2ASkin Sens. 1B-Aquatic Acute 2;H313-H315-H317-H319-H401	10-<20%
207-431-5	470-82-6	Eucalyptol	Flam. Liq. 3-Acute Tox. 5-Skin Irrit. 3-Skin Sens. 1B;H226-H303-H316-H317	10-<20%
246-495-9	24851-98-7	Methyl dihydrojasmonate	Aquatic Acute 3;H402	1-<5%
204-262-9	118-58-1	Benzyl salicylate	Acute Tox. 5-Eye Irrit. 2B-Skin Sens. 1BAquatic Acute 2-Aquatic Chronic 3;H303-H317-H320-H401-H412	1-<5%
203-347-8	105-95-3	Ethylene brassylate	Aquatic Acute 2;H401	1-<5%
227-815-6	5989-54-8	l-Limonene	Flam. Liq. 3-Skin Irrit. 2-Skin Sens. 1BAsp. Tox 1-Aquatic Acute 1-Aquatic Chronic 1;H226-H304-H315-H317-H410	1-<5%
639-566-4	165184-98-5, 101-86-0	2-Hexyl-(E)-cinnamaldehyde	Acute Tox. 5-Skin Irrit. 3-Skin Sens. 1BAquatic Acute 1-Aquatic Chronic 2;H303-H316-H317-H400-H411	1-<5%
214-946-9	1222-05-5	1,3,4,6,7,8-Hexahydro-4,6,6,7,8,8-hexamethylcyclopenta-gamma-2-benzopyran	Skin Irrit. 3-Aquatic Acute 1-Aquatic Chronic 1;H316-H410	1-<5%
263-214-5	61792-11-8	3,7-Dimethyl-2,6-nonadienenitrile	Flam. Liq. 4-Acute Tox. 5-Aquatic Acute 2-Aquatic Chronic 2;H227-H303-H411	1-<5%
250-954-9	32210-23-4	4-tert-Butylcyclohexyl acetate	Acute Tox. 5-Skin Sens. 1B-Aquatic Acute 2;H303-H317-H401	1-<5%
204-541-5	122-40-7	Amyl cinnamal	Acute Tox. 5-Skin Irrit. 3-Skin Sens. 1BAquatic Acute 2-Aquatic Chronic 2;H303-H316-H317-H411	1-<5%
201-291-9	80-56-8	alpha Pinene	Flam. Liq. 3-Acute Tox. 5-Skin Irrit. 2-Skin Sens. 1B-Asp. Tox 1-Aquatic Acute 1-Aquatic Chronic 1;H226-H303-H304-H315-H317-H410	0.1-<1%
204-881-4	128-37-0	Butylated hydroxytoluene	Aquatic Acute 1-Aquatic Chronic 1;H410	0.1-<1%
227-813-5	5989-27-5	Limonene	Flam. Liq. 3-Skin Irrit. 2-Skin Sens. 1BAsp. Tox 1-Aquatic Acute 1-Aquatic Chronic 1;H226-H304-H315-H317-H410	0.1-<1%
218-690-9	2216-51-5	l-Menthol	Acute Tox. 5-Skin Irrit. 2-Eye Irrit. 2AAquatic Acute 3;H303-H315-H319-H402	0.1-<1%
203-341-5	105-87-3	Geranyl acetate	Skin Irrit. 2-Skin Sens. 1B-Aquatic Acute 2-Aquatic Chronic 3;H315-H317-H401-H412	0.1-<1%
201-134-4	78-70-6	Linalool	Flam. Liq. 4-Acute Tox. 5-Skin Irrit. 2-Eye Irrit. 2A-Skin Sens. 1B-Aquatic Acute 3; H227-H303-H315-H317-H319-H402	0.1-<1%
209-578-0	586-62-9	Terpinolene	Flam. Liq. 4-Acute Tox. 5-Skin Irrit. 3-Skin Sens. 1B-Asp. Tox 1-Aquatic Acute 1-Aquatic Chronic 1;H227-H303-H304-	0.1-<1%

			H316-H317-H410	
204-872-5	127-91-3	beta-Pinene	Flam. Liq. 3-Skin Irrit. 2-Skin Sens. 1BAsp. Tox 1-Aquatic Acute 1-Aquatic Chronic 1;H226-H304-H315-H317-H410	0.1-<1%
205-527-1	142-19-8	Allyl heptanoate	Flam. Liq. 4-Acute Tox. 3-Acute Tox. 3-Acute Tox. 3-Skin Irrit. 3-Aquatic Acute 1-Aquatic Chronic 3;H227-H301-H311-H316-H331-H400-H412	0.1-<1%
205-341-0	138-86-3	dl-Limonene (racemic)	Flam. Liq. 3-Skin Irrit. 2-Skin Sens. 1BAsp. Tox 1-Aquatic Acute 1-Aquatic Chronic 1;H226-H304-H315-H317-H410	0.1-<1%
203-377-1	106-24-1	Geraniol	Acute Tox. 5-Skin Irrit. 2-Eye Dam. 1-Skin Sens. 1-Aquatic Acute 3;H303-H315-H317-H318-H402	0.1-<1%

**Substances with Community workplace exposure limits, not listed above:**

Name	CAS	EC	%
Butylated hydroxytoluene	128-37-0	204-881-4	0.70%

#### 4. FIRST AID MEASURES

<b>Skin Contact:</b>	Wash with plenty of soap and water.
<b>Eye Contact:</b>	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
<b>If Exposed or Concerned:</b>	Get medical advice/attention. Call a POISON CENTRE or doctor/physician if you feel unwell.
<b>Most important symptoms and effects:</b>	May be harmful if swallowed. Causes mild skin irritation. May cause an allergic skin reaction. Causes serious eye irritation.
<b>Indication of any immediate Medical attention and special treatment needed:</b>	None expected.

#### 5. FIRE FIGHTING MEASURES

<b>Suitable extinguishing media:</b>	Carbon dioxide, dry chemical, foam.
<b>Hazardous Combustion Products:</b>	In case of fire, may be liberated: Carbon monoxide, Unidentified organic compounds.
<b>Advice for Fire Fighters:</b>	In case of insufficient ventilation, wear suitable respiratory equipment.
<b>Hazchem Code:</b>	NA

#### 6. ACCIDENTAL RELEASE MEASURES

<b>Personal Precautions and Protective Equipment:</b>	Avoid inhalation. Avoid contact with skin and eyes. See protective measures under Section 7 and 8.
<b>Environmental Precautions:</b>	Keep away from drains, surface and ground water, and soil.
<b>Methods and Suitable materials for containment and cleaning up:</b>	Remove ignition sources. Provide adequate ventilation. Avoid excessive inhalation of vapours. Contain spillage immediately by use of sand or inert powder. Dispose of according to local regulations.

#### 7. HANDLING AND STORAGE

<b>Safe Handling Precautions:</b>	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.
<b>Storage conditions:</b>	Store in a 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.
<b>Specific end use(s):</b>	Fragrances: Use in accordance with good manufacturing and industrial hygiene practices.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Workplace exposure limits:

Ingredient	CAS	EC	Description	ppm	mg/m3	Reference
Butylated hydroxytoluene	128-37-0	204-881-4	Long-term exposure limit (8-hour TWA reference period)	-	-	-
			Short-term exposure limit (15-minute reference period)	-	-	-

### Exposure Controls

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

**Respiratory Protection** Ensure adequate and ongoing ventilation is maintained in order to prevent build up of excessive vapour and to ensure occupational exposure limits are adhered to. If appropriate, and depending on your patterns and volumes of use, the following engineering controls may be required as additional protective measures:

- a) Isolate mixing rooms and other areas where this material is used or openly handled. Maintain these areas under negative air pressure relative to the rest of the plant.
- b) Employ the use of Personal protective equipment - an approved, properly fitted respirator with organic vapour cartridges or canisters and particulate filters.
- c) Use local exhaust ventilation around open tanks and other open sources of potential exposures in order to avoid excessive inhalation, including places where this material is openly weighed or measured. In addition, use general dilution ventilation of the work area to eliminate or reduce possible worker exposures.
- d) Use closed systems for transferring and processing this material.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance:</b>	Liquid
<b>Colour:</b>	Colourless, Faint Yellow
<b>Aroma/Odour:</b>	Eucalyptus, Fresh, Mint
<b>Relative density:</b>	1.0019 - 1.0159
<b>Refractive index:</b>	Not determined
<b>Flash Point (closed cup test):</b>	75 °C
<b>Specific Gravity (20°C/20°C):</b>	Not determined
<b>pH:</b>	Not determined
<b>Initial boiling point/range:</b>	Not determined
<b>Vapour pressure:</b>	Not determined
<b>Solubility(ies):</b>	Not determined

## 10. STABILITY AND REACTIVITY

<b>Reactivity Hazards:</b>	Presents no significant reactivity hazard, by itself or in contact with water.
<b>Chemical Stability:</b>	Good stability under normal storage conditions.
<b>Hazardous Reactions:</b>	Not expected under normal conditions of use.
<b>Conditions to Avoid:</b>	Avoid extreme heat.
<b>Incompatibles:</b>	Avoid contact with strong acids, alkalis, or oxidising agents.

**Hazardous Decomposition** Not expected.  
**Products:**

## 11. TOXICOLOGICAL INFORMATION

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

May be harmful if swallowed.  
Causes mild skin irritation.  
May cause an allergic skin reaction.  
Causes serious eye irritation.

**Assumed Toxicity Value (LD50 or ATE) for Acute Oral Toxicity:** 2567  
**Assumed Toxicity Value (LD50 or ATE) for Acute Dermal Toxicity:** >5000  
**Assumed Toxicity Value (LC50 or ATE) for Acute Inhalation Toxicity:** Not Available  
**Inhalation Route:** Not Available

**Information about hazardous Ingredients in the Mixture:**

Ingredient	CAS	EC	LD50/ATE Oral	LD50/ATE Dermal	LC50/ATE Inhalation	LC50 Route
Benzyl benzoate	120-51-4	204-402-9	1500	4000	Not Available	Not Available
Allyl heptanoate	142-19-8	205-527-1	218	810	3	Vapour

## 12. ECOLOGICAL INFORMATION

**Toxicity:** Very toxic to aquatic life with long lasting effects.

**Persistence and degradability:** Not Available.

**Bioaccumulative potential:** Not Available.

**Mobility in soil:** Not Available.

**PBT and vPvB Assessment:** This substance does not meet the PBT/vPvB criteria of REACH, annex XIII.

**Other Adverse Effects:** Not Available

## 13. DISPOSAL CONSIDERATIONS

**Disposal:** Dispose of 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.

## 14. TRANSPORT INFORMATION

**UN Number:** UN3082

**UN Proper Shipping Name:** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Benzyl benzoate, l-Limonene)

**Transport Hazard Class(es):** 9

**Sub Risk:** -

**Packing Group:** III

**Environmental Hazards:** This is an environmentally hazardous substance.

**Special Precautions for user:** None additional

Transport in bulk according to  
Annex II of MARPOL73/78 and  
the IBC Code:

Not Applicable

## 15. REGULATORY INFORMATION

Safety, Health and Environmental Regulations Specific for the substance or mixture. All ingredients listed on AICS.

Water Hazard Class (WGK) 3

Chemical Safety Assessment A Chemical Safety Assessment has not been carried out for this product.

## 16. OTHER INFORMATION

Concentration % Limits: EH A1=48.79% EH A2=4.67% EH A3=0.46631786% EH C2=23.32% EH C3=2.33% EH C4=45.46% SCI 2=54.89% SCI 3=4.17% EDI 2A=49.39% SS 1=6.05%

Total Fractional Values: EH A1=2.05 EH A2=21.43 EH A3=214.45 EH C2=4.29 EH C3=42.97 EH C4=2.20 SCI 2=1.82 SCI 3=23.96 EDI 2A=2.02 SS 1=16.53

### Further Information

Abbreviation	Meaning
Acute Tox. 3	Acute Toxicity – Oral Category 3
Acute Tox. 3	Acute Toxicity – Dermal Category 3
Acute Tox. 3	Acute Toxicity – Inhalation Category 3
Acute Tox. 4	Acute Toxicity – Oral Category 4
Acute Tox. 4	Acute Toxicity – Dermal Category 4
Acute Tox. 5	Acute Toxicity – Oral Category 5
Acute Tox. 5	Acute Toxicity – Dermal Category 5
Aquatic Acute 1	Hazardous to the Aquatic Environment - Acute Hazard Category 1
Aquatic Acute 2	Hazardous to the Aquatic Environment - Acute Hazard Category 2
Aquatic Acute 3	Hazardous to the Aquatic Environment - Acute Hazard Category 3
Aquatic Chronic 1	Hazardous to the Aquatic Environment - Long-term Hazard Category 1
Aquatic Chronic 2	Hazardous to the Aquatic Environment - Long-term Hazard Category 2
Aquatic Chronic 3	Hazardous to the Aquatic Environment - Long-term Hazard Category 3
Asp. Tox 1	Aspiration Hazard Category 1
Carc. 1B	Carcinogenicity Category 1B
Eye Dam. 1	Eye Damage / Irritation Category 1
Eye Irrit. 2A	Eye Damage / Irritation Category 2
Eye Irrit. 2B	Eye Damage / Irritation Category 2B
Flam. Liq. 3	Flammable Liquid, Hazard Category 3
Flam. Liq. 4	Flammable Liquid, Hazard Category 4
Flam. Sol. 2	Flammable Solid, Hazard Category 2
H226	Flammable liquid and vapour.
H227	Combustible liquid.
H301	Toxic if swallowed.
H302	Harmful if swallowed.
H303	May be harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H311	Toxic in contact with skin.
H312	Harmful in contact with skin.
H313	May be harmful in contact with skin.
H315	Causes skin irritation.
H316	Causes mild skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H320	Causes eye irritation.
H331	Toxic if inhaled.

H335	May cause respiratory irritation.
H341	Suspected of causing genetic defects (exposure route).
H350	May cause cancer (exposure route).
H361	Suspected of damaging fertility or the unborn child (exposure route).
H371	May cause damage to organs.
H373	May cause damage to organs through prolonged or repeated exposure.
H400	Very toxic to aquatic life.
H401	Toxic to aquatic life.
H402	Harmful 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.
P202	Do not handle until all safety precautions have been read and understood.
P210	Keep away from heat, sparks, open flames and hot surfaces. - No smoking.
P233	Keep container tightly closed.
P240	Ground/bond container and receiving equipment.
P241	Use explosion-proof electrical, ventilating and lighting equipment.
P242	Use only non-sparking tools.
P243	Take precautionary measures against static discharge.
P261	Avoid breathing vapour or dust.
P264	Wash hands and other contacted skin thoroughly after handling.
P270	Do not eat, drink, or smoke when using this product.
P271	Use only outdoors or in a well-ventilated area.
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.
P281	Use personal protective equipment as required.
P301/310	IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
P301/312	IF SWALLOWED: call a POISON CENTER or doctor/physician if you feel unwell.
P302/352	IF ON SKIN: Wash with plenty of soap and water.
P303/361/353	IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower.
P304/340	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P305/351/338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P308/313	IF exposed or concerned: Get medical advice/attention.
P310	Immediately call a POISON CENTER or doctor/physician.
P311	Call a POISON CENTRE or doctor/physician.
P312	Call a POISON CENTRE or doctor/physician if you feel unwell.
P330	Rinse mouth.
P331	Do not induce vomiting.
P332/313	If skin irritation occurs: Get medical advice/attention.
P333/313	If skin irritation or rash occurs: Get medical advice/attention.
P337/313	If eye irritation persists: Get medical advice/attention.
P361	Remove/Take off immediately all contaminated clothing.
P362	Take off contaminated clothing and wash before reuse.
P363	Wash contaminated clothing before reuse.
P370/378	In case of fire: Use carbon dioxide, dry chemical, foam for extinction.
P391	Collect spillage.
P403/235	Store in a well-ventilated place. Keep cool.
P405	Store locked up.
P501	Dispose of contents/container to approved disposal site, in accordance with local regulations.
Repr. 2	Toxic to Reproduction Category 2
Skin Irrit. 2	Skin Corrosion / Irritation Category 2
Skin Irrit. 3	Skin Corrosion / Irritation Category 3
Skin Sens. 1	Sensitization - Skin Category 1
Skin Sens. 1A	Sensitization - Skin Category 1A
Skin Sens. 1B	Sensitization - Skin Category 1B

The information in this safety data sheet is to the best of our knowledge true and accurate, but all data, instructions, and recommendations and/or suggestions are made without guarantee.

The Material Safety Data Sheet is intended to provide information for a health and safety assessment of the material. This document is not intended for quality assurance purposes.