

## 1. IDENTIFICATION

**Product Name:** MOR Marshmallow Type 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 of Mixture:**

Flammable Liquid, Hazard Category 4  
Acute Toxicity - Oral Category 5  
Skin Corrosion / Irritation Category 2  
Skin Corrosion / Irritation Category 3  
Sensitization - Skin Category 1  
Eye Damage / Irritation Category 2 Sensitization - Skin Category 1  
Hazardous to the Aquatic Environment - Acute Hazard Category 2  
Hazardous to the Aquatic Environment - Long-term Hazard Category 2  
H227 Combustible liquid.  
H303, May be harmful if swallowed.  
H315 Causes skin irritation.  
H316, Causes mild skin irritation.  
H317 May cause an allergic skin reaction.  
H319 Causes serious eye irritation.  
H410, Very toxic to aquatic life with long lasting effects.  
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.  
H316, Causes mild skin irritation.  
H317 May cause an allergic skin reaction.  
H319 Causes serious eye irritation.  
H410, Very toxic to aquatic life with long lasting effects.  
H411 Toxic to aquatic life with long lasting effects.

**Precautionary Statement(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.

P312, Call a POISON CENTRE or doctor/physician if you feel unwell.  
P305/351/338, IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
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.  
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.  
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	%
	120-51-4	Benzyl benzoate	Acute Tox. 4-Acute Tox. 5-Aquatic Acute 1-Aquatic Chronic 2;H302-H313-H400-H411	50-100%
201-550-6	84-66-2	Diethyl phthalate	Skin Irrit. 3-Aquatic Acute 3;H316-H402	20-<50%
915-730-3	54464-57-2	1-(1,2,3,4,5,6,7,8-Octahydro-2,3,8,8-tetramethyl-2-naphthalenyl)ethanone	Skin Irrit. 2-Skin Sens. 1B-Aquatic Acute 2-Aquatic Chronic 1;H315-H317-H401-H410	10-<20%
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-AquaticChronic 1;H316-H410	10-<20%
246-495-9	24851-98-7	Methyl dihydrojasmonate	Aquatic Acute 3;H402	5-<10%
200-456-2	60-12-8	Phenethyl alcohol	Acute Tox. 4-Acute Tox. 5-Skin Irrit. 3-Eye Irrit. 2A;H302-H313-H316-H319	1-<5%
639-566-4	165184-98-5, 101-86-0	2-Hexyl-(E)-cinnamaldehyde	Acute Tox. 5-Skin Irrit. 3-Skin Sens. 1B-Aquatic Acute 1-Aquatic Chronic 2;H303-H316-H317-H400-H411	1-<5%
	14901-07-6	beta-Ionone	Skin Irrit. 3-Aquatic Acute 2-Aquatic Chronic 2;H316-H411	1-<5%
248-908-8	28219-61-6	2-Ethyl-4-(2,2,3-trimethyl-3-cyclopenten-1-yl)-2-buten-1-ol	Eye Irrit. 2A-Aquatic Acute 1-Aquatic Chronic 1;H319-H410	1-<5%
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	1-<5%
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	1-<5%
204-116-4	115-95-7	Linalyl acetate	Flam. Liq. 4-Skin Irrit. 2-Eye Irrit. 2A-Aquatic Acute 3;H227-H315-H319-H402	1-<5%
203-347-8	105-95-3	Ethylene brassylate	Aquatic Acute 2;H401	1-<5%
204-262-9	118-58-1	Benzyl salicylate	Acute Tox. 5-Eye Irrit. 2B-Skin Sens. 1B-Aquatic Acute 2-Aquatic Chronic 3;H303-H317-H320-H401-H412	1-<5%
243-384-7	19870-74-7	Cedrol methyl ether	Skin Irrit. 3;H316	1-<5%
			Skin Irrit. 2-Eye Irrit. 2B-Skin Sens. 1B-	

204-846-3	127-51-5	alpha-iso-Methylionone	Aquatic Acute 2-Aquatic Chronic 2;H315-H317-H320-H411	1-<5%
265-453-0	65113-99-7	5-(2,2,3-Trimethyl-3-cyclopentenyl)-3-methylpentan-2-ol	Skin Irrit. 3-Eye Irrit. 2A-Aquatic Acute 2-Aquatic Chronic 2;H316-H319-H411	1-<5%
	4940-11-8	Ethyl maltol	Acute Tox. 4;H302	1-<5%
	123-11-5	p-Methoxybenzaldehyde	Acute Tox. 5-Aquatic Acute 3;H303-H402	1-<5%
	121-33-5	Vanillin	Acute Tox. 5-Eye Irrit. 2A-Aquatic Acute 3;H303-H319-H402	1-<5%
	128-37-0	Butylated hydroxytoluene	Aquatic Acute 1-Aquatic Chronic 1;H410	1-<5%
203-375-0	106-22-9	Citronellol	Acute Tox. 5-Acute Tox. 5-Skin Irrit. 2-Eye Irrit. 2A-Skin Sens. 1B-Aquatic Acute 2;H303-H313-H315-H317-H319-H401	0.1-<1%
251-020-3	32388-55-9	Acetyl cedrene	Skin Irrit. 3-Skin Sens. 1B-Aquatic Acute 1-Aquatic Chronic 1;H316-H317-H410	0.1-<1%
	3691-12-1	alpha-Guaiene	Skin Irrit. 2-Eye Irrit. 2A-Asp. Tox 1;H304-H315-H319	0.1-<1%
203-378-7	106-25-2	Nerol	Acute Tox. 5-Skin Irrit. 2-Eye Dam. 1-Skin Sens. 1B-Aquatic Acute 2;H303-H315-H317-H318-H401	0.1-<1%
202-589-1	97-53-0	Eugenol	Acute Tox. 5-Skin Irrit. 3-Eye Irrit. 2A-Skin Sens. 1B-Aquatic Acute 2;H303-H316-H317-H319-H401	0.1-<1%
411-580-3	107898-54-4	3,3-Dimethyl-5-(2,2,3-trimethyl-3-cyclopenten-1-yl)-4-penten-2-ol	Skin Irrit. 2-Aquatic Acute 1-Aquatic Chronic 1;H315-H410	0.1-<1%
	8000-41-7	Terpineol	Flam. Liq. 4-Acute Tox. 5-Skin Irrit. 2-Eye Irrit. 2AAquatic Acute 3;H227-H303-H315-H319-H402	0.1-<1%
	91-64-5	Coumarin	Acute Tox. 4-Skin Sens. 1B-Aquatic Acute 3;H302-H317-H402	0.1-<1%
207-491-2	475-20-7	Longifolene	Skin Irrit. 3-Skin Sens. 1B-Asp. Tox 1-Aquatic Acute 1-Aquatic Chronic 1;H304-H316-H317-H410	<0.1%

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

Description	CAS No.	EC No.	%
201-550-6	84-66-2	Diethyl phthalate	41.49

#### 4. FIRST AID MEASURES

<b>Inhalation:</b>	Remove from exposure site to fresh air, keep at rest, and obtain medical attention.
<b>Skin Contact:</b>	IF ON SKIN: Wash with plenty of soap and water.
<b>Eye Contact:</b>	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
<b>Ingestion:</b>	Rinse mouth with water and obtain medical attention.
<b>Acute or Delayed Symptoms:</b>	Causes skin irritation. May cause an allergic skin reaction. Causes serious eye irritation.
<b>Indication of any immediate medical attention and special</b>	None expected.

treatment needed:

## 5. FIRE FIGHTING MEASURES

**Suitable extinguishing media:** Carbon dioxide, Dry chemical, Foam.

**Hazardous Combustion Products:** In case of fire, may be liberated: Carbon monoxide, Unidentified organic compounds.

**Advice for Fire Fighters:** In case of insufficient ventilation, wear suitable respiratory equipment.

## 6. ACCIDENTAL RELEASE MEASURES

**Personal Precautions:** Avoid inhalation. Avoid contact with skin and eyes.

**Environmental Precautions:** Keep away from drains, surface and ground water, and soil.

**Methods and Suitable materials for containment and cleaning up:** 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

**Precautions for safe handling:** Keep away from heat, sparks, open flames, and hot surfaces. - No smoking. Use personal protective equipment as required. Use in accordance with good manufacturing and industrial hygiene practices. Use in areas with adequate ventilation Do not eat, drink, or smoke when using this product.

**Conditions for safe storage:** 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.

**Specific end use(s):** 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
Diethyl phthalate	84-66-2	201-550-6	Long-term exposure limit (8-hourTWA reference period)	-	-	-
			Short-term exposure limit (15-minutereference 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:

- 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.
- Employ the use of Personal protective equipment - an approved, properly fitted respirator with organic vapour cartridges or canisters and particulate filters.
- 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.
- Use closed systems for transferring and processing this material.

**Hand Protection:** Avoid skin contact. Use chemically resistant gloves.

**General Protection:** Follow good manufacturing practices for personal hygiene. Wash any exposed skin immediately after chemical contact, before breaks and meals, and at the end of each work period.

**Engineering Controls:** Ensure that eyewash stations and safety showers are proximal to the workstation location. Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapours below their respective threshold limit value.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Appearance:** Colourless- faint yellow  
**Aroma/Odour:** Conforms to Standard  
**pH:** Not determined  
**Initial boiling point/range:** Not determined  
**Flash Point (closed cup test):** > 90.0 °C  
**Vapour pressure:** Not determined  
**Solubility(ies):** Not determined  
**Relative density:** 1.0020 - 1.1420  
**Other information:** None available

## 10. STABILITY AND REACTIVITY

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

## 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.

Causes skin irritation.  
May cause an allergic skin reaction.  
Causes serious eye irritation.

**Acute Toxicity:** Acute Toxicity - Oral Category 5  
**Acute Toxicity Oral:** 2674  
**Acute Toxicity Dermal:** >5000  
**Acute Toxicity Inhalation:** Not Available  
**Skin corrosion/irritation :** Skin Corrosion / Irritation Category 3  
**Serious eye damage/irritation:** Based on available data the classification criteria are not met  
**Respiratory or skin sensitisation:** Sensitization – Skin Category 1  
**Germ cell mutagenicity:** Based on available data the classification criteria are note met.  
**Carcinogenicity:** Based on available data the classification criteria are not met  
**Reproductive toxicity:** Based on available data the classification criteria are note met.  
**STOT – single exposure:** Based on available data the classification criteria are note met.  
**STOT- repeated exposure:** Based on available data the classification criteria are note met.  
**Aspiration hazard:** Based on available data the classification criteria are not met

### Information about hazardous Ingredients in the Mixture:

EC	CAS	Ingredients	LD50/ATE Oral	LD50/ATE Dermal	LC50/ATE Inhalation	LC50
200-456-2	60-12-8	Phenethyl alcohol	1610	2500	Not available	Not available
	120-51-4	Benzyl benzoate	1500	4000	Not Available	Not Available
	4940-11-8	Ethyl maltol	1200	Not available	Not available	Not available

	121-33-5	Vanillin	3500	Not available	Not available	Not available
	123-11-5	pMethoxybenzaldehyde	3210	Not available	Not available	Not available

## 12. ECOLOGICAL INFORMATION

<b>Toxicity:</b>	Toxic to aquatic life with long lasting effects.
<b>Persistence and degradability:</b>	Not available.
<b>Bioaccumulative potential:</b>	Not available.
<b>Mobility in soil:</b>	Not available.
<b>PBT and vPvB Assessment:</b>	This substance does not meet the PBT/vPvB criteria of REACH, annex XIII.
<b>Other Adverse Effects:</b>	Not available.

## 13. DISPOSAL CONSIDERATIONS

<b>Disposal:</b>	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.
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## 14. TRANSPORT INFORMATION

<b>UN Number:</b>	UN3082
<b>UN Proper Shipping Name:</b>	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (1-(1,2,3,4,5,6,7,8-Octahydro-2,3,8,8-tetramethyl-2-naphthalenyl)ethanone, 1,3,4,6,7,8-Hexahydro-4,6,6,7,8,8-hexamethylcyclopenta-gamma-2- benzopyran)  ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.(1,3,4,6,7,8-Hexahydro-4,6,6,7,8,8-hexamethylcyclopenta-gamma-2-benzopyran, Benzyl benzoate)  ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.(1,3,4,6,7,8-Hexahydro-4,6,6,7,8,8-hexamethylcyclopenta-gamma-2-benzopyran, Benzyl benzoate) MARINE POLLUTANT  ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (1,3,4,6,7,8-Hexahydro-4,6,6,7,8,8-hexamethylcyclopenta-gamma-2-benzopyran, Benzyl benzoate)  ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (1,3,4,6,7,8-Hexahydro-4,6,6,7,8,8-hexamethylcyclopenta-gamma-2-benzopyran, Benzyl benzoate)
<b>Transport Hazard Class(es):</b>	9
<b>Sub Risk:</b>	-
<b>Packing Group:</b>	III
<b>Environmental Hazards:</b>	This is an environmentally hazardous substance.
<b>Special Precautions for user:</b>	None additional
<b>Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:</b>	Not applicable

## 15. REGULATORY INFORMATION

### Safety, Health and Environmental Regulations Specific for the substance or mixture

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 A2=20.19% EH A3=1.93% EH C2=11.21% EH C3=1.12% EH C4=84.94% SCI 2=42.37% SCI 3=3.26% EDI 2A=23.87% SS 1=6.67% SCI 3=10.16% SS 1=28.57% EH A1=31.37% EH A2=3.10% EH A3=0.31014672% EH C1=77.64% EH C2=6.56% EH C3=0.65634025% EH C4=27.44%

**Total Fractional Values:** EH A2=4.95 EH A3=51.72 EH C2=8.92 EH C3=89.27 EH C4=1.18 SCI 2=2.36 SCI 3=30.67 EDI 2A=4.19 SS 1=15.00 SCI 3=9.84 SS 1=3.50 EH A1=3.19 EH A2=32.23 EH A3=322.43 EH C1=1.29 EH C2=15.24 EH C3=152.36 EH C4=3.64

**Revisions:** SECTION 3: Composition/information on ingredients

### Abbreviations & Acronyms

Abbreviation	Meaning
Acute Tox. 4	Acute Toxicity - Oral Category 4
Acute Tox. 5	Acute Toxicity - Dermal Category 5
Acute Tox. 5	Acute Toxicity - Oral 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
Eye Dam. 1	Eye Damage / Irritation Category 1
Eye Irrit. 2A	Eye Damage / Irritation Category 2A
Eye Irrit. 2B	Eye Damage / Irritation Category 2B
Flam. Liq. 4	Flammable Liquid, Hazard Category 4
H227	Combustible liquid.
H302	Harmful if swallowed.
H303	May be harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
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.
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.
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.
P270	Do not eat, drink or smoke when using this product.
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.
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.
P305/351/338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P310	Immediately call a POISON CENTER 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.
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.
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. 1B	Sensitization - Skin Category 1B

#### Further Information

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.