

1. IDENTIFICATION

Product Name: Salted Caramel Fragrance

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 4
Skin Corrosion / Irritation Category 3
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.
H302, Harmful if swallowed.
H316, Causes mild 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.
H302, Harmful if swallowed.
H316, Causes mild 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.
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.
P301/312, 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.
P330, Rinse mouth.
P333/313, If skin irritation or rash occurs: Get medical advice/attention.
P337/313, If eye irritation persists: Get medical advice/attention.
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. INFORMATION ON INGREDIENTS

Mixtures:

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	20-<50%
121-32-4	Ethyl vanillin	Acute Tox. 5-Eye Irrit. 2B-Aquatic Acute 3;H303-H320-H402	10-<20%
4940-11-8	Ethyl maltol	Acute Tox. 4;H302	10-<20%
121-33-5	Vanillin	Acute Tox. 5-Eye Irrit. 2A-Aquatic Acute 3;H303-H319-H402	5-<10%
105-95-3	Ethylene brassylate	Aquatic Acute 2;H401	5-<10%
91-64-5	Coumarin	Acute Tox. 4-Skin Sens. 1B-Aquatic Acute 3;H302-H317-H402	5-<10%
120-57-0	Piperonal	Acute Tox. 5-Skin Sens. 1B-Aquatic Acute 2;H303-H317-H401	1-<5%
123-11-5	p-Methoxybenzaldehyde	Acute Tox. 5-Aquatic Acute 3;H303-H402	1-<5%
765-70-8	3-Methylcyclopentane-1,2-dione	Acute Tox. 4-Skin Sens. 1;H302-H317	1-<5%
128-37-0	Butylated hydroxytoluene 1	Aquatic Acute 1-Aquatic Chronic 1;H410	1-<5%
5989-27-5	Limonene	Flam. Liq. 3-Skin Irrit. 2-Skin Sens. 1B-Asp. Tox 1-Aquatic Acute 1-Aquatic Chronic 1;H226-H304-H315-H317-H410	0.1-<1%
5392-40-5	Citral	Acute Tox. 5-Skin Irrit. 2-Eye Irrit. 2A-Skin Sens. 1BAquatic Acute 2;H313-H315-H317-H319-H401	0.1-<1%
600-14-6	Acetyl propionyl	Flam. Liq. 2-Acute Tox. 5-Acute Tox. 5-Skin Irrit. 3-Eye Dam. 1-Skin Sens. 1B-STOT RE 2-Aquatic Acute 3;H225-H303-H313-H316-H317-H318-H373-H402	0.1-<1%
105-13-5	Anisyl alcohol	Acute Tox. 4-Acute Tox. 5-Skin Irrit. 3-Eye Dam. 1-Skin Sens. 1B;H302-H313-H316-H317-H318	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%
127-91-3	beta-Pinene	Flam. Liq. 3-Skin Irrit. 2-Skin Sens. 1B-Asp. Tox 1-Aquatic Acute 1-Aquatic Chronic 1;H226-H304-H315-H317-H410	0.1-<1%
431-03-8	Diacetyl Natural	Flam. Liq. 2-Acute Tox. 4-Acute Tox. 3-Skin Irrit. 2-Eye Dam. 1-Skin Sens. 1-STOT RE 2-Aquatic Acute 3;H225-H302-H315-H317-H318-H331-H373-H402	0.1-<1%

Substances with Community workplace exposure limits, not listed above: Not Applicable

4. FIRST AID MEASURES

Inhalation: Remove from exposure site to fresh air, keep at rest, and obtain medical attention.

Eye Contact: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Skin Contact: IF ON SKIN: Wash with plenty of soap and water.

Ingestion: IF SWALLOWED: call a POISON CENTER or doctor/physician if you feel unwell.

Most Important Symptoms Acute and Delayed: Harmful if swallowed.
Causes mild skin irritation.
May cause an allergic skin reaction.
Causes serious eye irritation.

Indications of Immediate Medical Attention and Special Treatment Needed: None expected, see Section 4.1 for further information.

5. FIRE FIGHTING MEASURES

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

Special hazards arising from the substance or mixture: 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

Protective Equipment, Personal Precautions and Emergency Procedures: Avoid inhalation. Avoid contact with skin and eyes.
See protective measures under Section 7 and 8.

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.

Reference to other sections: Also refer to sections 8 and 13.

7. HANDLING AND STORAGE

Safe Handling: Do not eat, drink or smoke when using this product.

Safe storage, including any incompatibilities: Store in a well-ventilated place. Keep container tightly closed. To prevent congealing and denaturing it is recommended that goods are stored at temperatures between 15 - 30°C. 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): Fragrances: Use in accordance with good manufacturing and industrial hygiene practices.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Workplace exposure limits: Not Applicable

Exposure Controls

Eye / Skin Protection: Wear protective gloves/eye protection/face protection

Respiratory Protection: Under normal conditions of use and where adequate ventilation is available to prevent build up of excessive vapour, this material should not require special engineering controls. However, in conditions of high or prolonged use, or high temperature or other conditions which increase exposure, the following engineering controls can be used to minimise exposure to personnel: a) Increase ventilation of the area with local exhaust ventilation. b) Personnel can use an approved, appropriately fitted respirator with organic vapour cartridge or canisters and particulate filters. c) Use closed systems for transferring and processing this material.

Also refer to Sections 2 and 7.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Yellow - Orange
Odour: Sweet, Vanilla, Spice
Odour threshold: Not determined
pH: Not determined
Melting point / freezing point: Not determined
Initial boiling point / range: Not determined
Flash Point: > 90 °C
Evaporation rate: Not determined
Flammability (solid, gas): Not determined
Upper/lower flammability or explosive limits: Product does not present an explosion hazard
Vapour pressure: Not determined
Vapour density: Not determined
Relative density: 1.1335 - 1.1475
Solubility(ies): Not determined
Partition coefficient: n-octanol/water: Not determined
Auto-ignition temperature: Not determined
Decomposition temperature: Not determined
Viscosity: Not determined
Explosive properties: Not expected
Oxidising properties: Not expected
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.

Acute Toxicity: Acute Toxicity:	Oral Category 4 Acute Toxicity Oral:1719 Acute Toxicity Dermal:>5000 Acute Toxicity Inhalation:Not Available
Skin corrosion/irritation:	Skin Corrosion / Irritation Category 3
Serious eye damage/irritation:	Eye Damage / Irritation Category 2
Respiratory or skin sensitisation:	Sensitization - Skin Category 1
Germ cell mutagenicity:	Based on available data the classification criteria are not met.
Carcinogenicity:	Based on available data the classification criteria are not met.
Reproductive toxicity:	Based on available data the classification criteria are not met.
STOT-single exposure:	Based on available data the classification criteria are not met.
STOT-repeated exposure:	Based on available data the classification criteria are not met.
Aspiration hazard:	Based on available data the classification criteria are not met.

Information about hazardous Ingredients in the Mixture:

CAS	Ingredients	LD50/ATE Oral	LD50/ATE Dermal	LC50/ATE Inhalation	LC50 Route
765-70-8	3-Methylcyclopentane1,2-dione	500	Not available	Not available	Not available
120-51-4	Benzyl benzoate	1500	4000	Not available	Not available
91-64-5	Coumarin	500	Not available	Not available	Not available
431-03-8	Diacetyl Natural	1580	Not available	3	Vapour
4940-11-8	Ethyl maltol	1200	Not available	Not available	Not available
121-32-4	Ethyl vanillin	3000	Not available	Not available	Not available
120-57-0	Piperonal	2700	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

Toxicity:	Very toxic to aquatic life with long lasting effects.
Persistence and degradability:	Not available.
Bioaccumulative potential:	Not available.
Mobility in soil:	Not available.
Other Adverse Effects:	Not available.

13. DISPOSAL CONSIDERATIONS

Waste treatment methods:	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

	UN number:	UN Proper Shipping Name:	Transport hazard class(es):	Sub Risk:	Packing Group:
UN Model Regulations	UN3082	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Benzyl benzoate, Butylated hydroxytoluene)	9	-	III
IMDG	UN3082	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Benzyl benzoate, Butylated hydroxytoluene) MARINE POLLUTANT	9	-	III
ADR,RID,AND	UN3082	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Benzyl benzoate, Butylated hydroxytoluene)	9	-	III
ICAO TI	UN3082	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Benzyl benzoate, Butylated hydroxytoluene)	9	-	III

Environmental Hazards: This is classified as an environmentally hazardous substance under the UN Model Regulations. This is classified as a Marine Pollutant under the IMDG Code

Special Precautions for user: None additional

Transport in bulk according to Annex II of MARPOL73/78 and 1 the IBC Code: Not Applicable

15. REGULATORY INFORMATION

Regulatory information: None additional

16. OTHER INFORMATION

Concentration % Limits: EH A1=65.09% EH A2=6.32% EH A3=0.62706949% EH C2=46.18% EH C3=4.62% EH C4=65.09% SCI 3=62.73% EDI 2A=32.31% EDI 2B=66.67% SS 1=17.09%

Total Fractional Values: EH A1=1.54 EH A2=15.81 EH A3=159.47 EH C2=2.17 EH C3=21.66 EH C4=1.54 SCI 3=1.59 EDI 2A=3.10 EDI 2B=1.50 SS 1=5.85

Key to revisions: GHS Workplace Exposure Limits
Hazardous Ingredients declared in a GHS Product Identifier
Information about hazardous ingredients in the mixture
SECTION 3: Composition/information on ingredients

Key to abbreviations:

Abbreviation	Meaning
Acute Tox. 3	Acute Toxicity - Inhalation Category 3
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
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. 2	Flammable Liquid, Hazard Category 2
Flam. Liq. 3	Flammable Liquid, Hazard Category 3
Flam. Liq. 4	Flammable Liquid, Hazard Category 4
H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
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.
H331	Toxic if inhaled.
H373	May cause damage to organs (organs) through prolonged or repeated exposure (exposure route).
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.
Not Class.	Not classified according to GHS
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.
P260	Do not breathe vapour or dust.
P261	Avoid breathing vapour or dust.
P261	Avoid breathing dust/fume/gas/mist/vapour/spray.
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.
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.
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.
P403/233/235	Store in a well-ventilated place. Keep container tightly closed. Keep cool.
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.
STOT RE 2	Specific Target Organ Toxicity (Repeated Exposure) 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. 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.