

1. IDENTIFICATION

Product Name: Lime Sandalwood 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: Skin Corrosion/Irritation (Category 2)
 Flammable Liquids (Category 4)
 Serious Eye Damage/Irritation (Category 2A)
 Hazardous to the Aquatic Environment - Acute Hazard Category 2
 Hazardous to the Aquatic Environment Chronic (Category 3)
 Skin-Sensitisation (Category 1B)
 Specific Target Organ Toxicity (Single Exposure) (Category 2)
 H227, Combustible liquid.
 H315, Causes skin irritation.
 H402, Harmful to aquatic life.
 H411, Toxic to aquatic life with long lasting effects.
 H319, Causes serious eye irritation.

Hazard Pictogram(s):



Signal Word: WARNING

Hazard Statements (s): H227 Combustible liquid.
 H315 Causes skin irritation.
 H317 May cause an allergic skin reaction.
 H319 Causes serious eye irritation.
 H371 May cause damage to organs.
 H402, Harmful to aquatic life.
 H411, Toxic to aquatic life with long lasting effects.
 H412 Harmful to aquatic life with long lasting effects.

Precautionary Statement(s): P103 Read carefully and follow all instructions.
 P264 Wash hands and other contacted skin thoroughly after handling.
 P273, Avoid release to the environment.
 P280 Wear protective gloves/protective clothing/eye protection/face protection.
 P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P337 + P313 If eye irritation persists: Get medical advice/attention.
 P391, Collect spillage.
 P501 Dispose of contents/container to an approved waste disposal plant.
 P260 Do not breathe dust/fume/gas/mist/vapours/spray.
 P270 Do not eat, drink or smoke when using this product.

P308 + P311 IF exposed or concerned: Call a POISON CENTRE/doctor
 P405 Store locked up.

Other Hazards: None

3. COMPOSITION/INFORMATION ON INGREDIENTS

Mixtures:

EC No.	CAS No.	Description	GHS Classification	%
226-394-6	5392-40-5	3,7-dimethylocta-2,6-dienal	SCI 2 (H315), EDI 2 (H319)	>30.0 <=60.0
202-983-3	101-86-0	2-(phenylmethylidene)octanal	SS 1B (H317)	>=10.0 <=30.0
204-262-9	118-58-1	benzyl 2-hydroxybenzoate	STO-SE 2 (H371), EDI 2 (H319)	>=10.0 <=30.0
214-946-9	1222-05-5	1,3,4,6,7,8-hexahydro-4,6,6,7,8,8hexamethylcyclopenta(g)-2-benzopyran	C2 (H411)	>=10.0 <=30.0
289-752-0	8007-02-1 or 89998-14-1	cymbopogon flexuosus oil	SCI 2 (H315), STO-SE 3 (H335), EDI 2 (H319)	>0.0 <10.0
250-954-9	32210-23-4	(4-tert-butylcyclohexyl) acetate	C2 (H411)	>0.0 <10.0
204-881-4	128-37-0	2,6-ditert-butyl-4-methylphenol	C2 (H411)	>0.0 <10.0
-	125304-04-3	2-(benzotriazol-2-yl)-6-dodecyl-4methylphenol	C2 (H411)	>0.0 <10.0
259-174-3	54464-57-2	1-(2,3,8,8-tetramethyl-1,3,4,5,6,7-hexahydronaphthalen-2-yl) ethenone	SCI 2 (H315), SCI 3 (H316), C2 (H411)	>0.0 <10.0
251-020-3	32388-55-9	Methyl cedryl ketone	EH A2 (H401), C2 (H411)	>0.0 <10.0
248-908-8	28219-61-6	2-Ethyl-4-(2,2,3-trimethyl-3-cyclopenten-1-yl)-2-buten-1-ol	SCI 2 (H315), EDI 2A (H319), EH A2 (H401), C2 (H411)	>0.0 <10.0
	8000-27-9	Juniperus virginiana wood oil	SCI 2 (H315)	>0.0 <10.0
204-116-4	115-95-7	3,7-dimethylocta-1,6-dien-3-yl acetate	SCI 2 (H315), EDI 2A (H319), STO-SE 3 (H335)	>0.0 <10.0
250-954-9	32210-23-4	(4-tert-butylcyclohexyl) acetate	C2 (H411)	>0.0 <10.0
201-036-1	77-54-3	Acetic acid, cedrol ester	C2 (H411)	>0.0 <10.0
233-732-6	10339-55-6	(6E)-3,7-dimethylnona-1,6-dien-3-ol	SCI 2 (H315), EDI 2 (H319)	>0.0 <10.0
232-433-8	68647-72-3 or 8008-57-9	Orange oil terpenes	FL 3 (H226), AH 1 (H304), SCI 2 (H315), C2 (H411), SS 1 (H317)	>0.0 <10.0
265-453-0	65113-99-7	3-methyl-5-(2,2,3-trimethyl-1-cyclopent-3-enyl) pentan-2-ol	EH A2 (H401), C2 (H411)	>0.0 <10.0

204-464-7	121-32-4	3-ethoxy-4-hydroxybenzaldehyde	ATO 5 (H303), EDI 2B (H320), EH A3 (H402)	>0.0 <10.0
204-881-4	128-37-0	2,6-ditert-butyl-4-methylphenol	C2 (H411)	>0.0 <10.0
	8007-08-7	Zingiber officinale rosc. root oil	SCI 2 (H315), SS 1B (H317), C2 (H411), EDI 2 (H319)	>0.0 <10.0
232-268-1	8000-41-7	2-(4-methyl-1-cyclohex-3-enyl) propan-2-ol	FL 4 (H227), SCI 2 (H315), EDI 2A (H319), EH A3 (H402)	>0.0 <10.0
230-597-5	7212-44-4	3,7,11-trimethyldodeca-1,6,10-trien-3-ol	C2 (H411)	>0.0 <10.0
284-515-8	68917-33-9 or 84929-31-7	Lemon oil terpenes	FL 3 (H226), AH 1 (H304), SCI 2 (H315), C2 (H411), SS 1 (H317)	>0.0 <10.0
204-872-5	127-91-3	7,7-dimethyl-4-methylidenebicyclo [3.1.1] heptane	FL 3 (H226), ATO 5 (H303), AH 1 (H304), ATD 4 (H312), SCI 2 (H315), EDI 2A (H319), STO-SE 3 (H335), EH A2 (H401), SS 1 (H317), RES 1 (H334)	>0.0 <10.0
203-973-1	112-45-8	Undec-10-enal	SCI 2 (H315), C2 (H411), EDI 2 (H319)	>0.0 <10.0

4. FIRST AID MEASURES

Ingestion:	Not expected to require first aid. If large amounts are swallowed, get medical advice. If swallowed, DO NOT INDUCE VOMITING. Give victim a glass of water or milk.
Skin Contact:	Take off contaminated clothing and wash before reuse. IF ON SKIN: Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention.
Eye Contact:	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
Inhalation:	No damage to health expected, avoid inhalation.
Chronic Exposure:	May cause coughing, dizziness, dullness, and headache. IF exposed or concerned: Call a POISON CENTRE/doctor.

5. FIRE FIGHTING MEASURES

Suitable extinguishing media:	Use foam, carbon dioxide or dry chemical.
Unsuitable extinguishing media:	Do not use solid water stream as it may scatter and spread fire. Coarse water spray(jets) Fine water spray (fog)
Hazardous Combustion Products:	In case of fire, the following can be released: hazardous vapours, carbon dioxide, carbon monoxide.
Advice for Fire Fighters:	Avoid inhalation of generated fumes or vapours. Use appropriate respiratory equipment.
Hazchem Code:	3Z

6. ACCIDENTAL RELEASE MEASURES

Protective Equipment:	Chemical safety goggles must be worn. Handle the product using protective gloves.
Personal Precautions:	Remove all ignition sources and ventilate area. Avoid contact with skin and inhalation of its vapours or smoke.
Emergency Procedures:	No specific advice other than above.
Environmental Precautions:	Should not be released into the environment. Keep contained to prevent contamination of drains, soil, or ground water.
Methods and Suitable materials for containment and cleaning up:	To contain a spill, dam up. Cover with an inert, inorganic, non-combustible absorbent material (e.g., drylime, sand, soda ash). Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.

7. HANDLING AND STORAGE

Measures to prevent fire:	Keep away from ignition sources and naked flames. When using do not smoke.
Measures to protect the environment:	Dispose of rinse water in accordance with local and national regulations.
Advice on general occupational hygiene:	Avoid excessive inhalation of concentrated vapours. Follow good manufacturing practices for housekeeping and personal hygiene. Wash any exposed skin immediately after chemical contact, before breaks and meals, and at the end of each work period. Contaminated clothing and shoes should be thoroughly cleaned before reuse.
Precautions for safe handling:	Keep away from ignition sources and naked flames. When using do not smoke. Dispose of rinse water in accordance with local and national regulations. Avoid excessive inhalation of concentrated vapours. Follow good manufacturing practices for housekeeping and personal hygiene. Wash any exposed skin immediately after chemical contact, before breaks and meals, and at the end of each work period. Contaminated clothing and shoes should be thoroughly cleaned before reuse.
Technical measures and Storage conditions:	Keep container closed when not in use. Store in a cool, dry, ventilated area away from sources of heat, moisture, and incompatible substances. Protect container from physical damage.
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
3,7-dimethylocta-2,6-dienal	5392-40-5	226-394-6	No Data Available	-	-	-
2-(phenylmethylidene)octanal	101-86-0	202-983-3	No Data Available	-	-	-
benzyl 2-hydroxybenzoate	118-58-1	204-262-9	No Data Available	-	-	-
1,3,4,6,7,8-hexahydro-4,6,6,7,8,8hexamethylcyclopenta(g)-2-benzopyran	1222-05-5	214-946-9	No Data Available	-	-	-
cymbopogon flexuosus oil	8007-02-1 or 89998-14-1	289-752-0	No Data Available	-	-	-
(4-tert-butylcyclohexyl) acetate	32210-23-4	250-954-9	No Data Available	-	-	-
2,6-ditert-butyl-4-methylphenol	128-37-0	204-881-4	No Data Available	-	-	-
2-(benzotriazol-2-yl)-6-dodecyl-4methylphenol	125304-04-3	-	No Data Available	-	-	-
1-(2,3,8,8-tetramethyl-1,3,4,5,6,7-	54464-57-2	259-174-3	No Data Available	-	-	-

hexahydronaphthalen-2-yl) ethanone						
Methyl cedryl ketone	2388-55-9	251-020-3	No Data Available	-	-	-
2-Ethyl-4-(2,2,3-trimethyl-3-cyclopenten-1-yl)-2-buten-1-ol	28219-61-6	248-908-8	No Data Available	-	-	-
Juniperus virginiana wood oil	8000-27-9		No Data Available	-	-	-
3,7-dimethylocta-1,6-dien-3-yl acetate	115-95-7	204-116-4	No Data Available	-	-	-
(4-tert-butylcyclohexyl) acetate	32210-23-4	250-954-9	No Data Available	-	-	-
Acetic acid, cedrol ester	77-54-3	201-036-1	No Data Available	-	-	-
(6E)-3,7-dimethylnona-1,6-dien-3-ol	10339-55-6	233-732-6	No Data Available	-	-	-
Orange oil terpenes	68647-72-3 or 8008-57-9	232-433-8	No Data Available	-	-	-
3-methyl-5-(2,2,3-trimethyl-1-cyclopent-3-enyl) pentan-2-ol	65113-99-7	265-453-0	No Data Available	-	-	-
3-ethoxy-4-hydroxybenzaldehyde	121-32-4	204-464-7	No Data Available	-	-	-
2,6-ditert-butyl-4-methylphenol	128-37-0	204-881-4	No Data Available	-	-	-
Zingiber officinale rosc. root oil	8007-08-7		No Data Available	-	-	-
2-(4-methyl-1-cyclohex-3-enyl) propan-2-ol	8000-41-7	232-268-1	No Data Available	-	-	-
3,7,11-trimethyldodeca-1,6,10-trien-3-ol	7212-44-4	230-597-5	No Data Available	-	-	-
Lemon oil terpenes	68917-33-9 or 84929-31-7	284-515-8	No Data Available	-	-	-
7,7-dimethyl-4- methylidenebicyclo [3.1.1] heptane	127-91-3	204-872-5	No Data Available	-	-	-
Undec-10-enal	112-45-8	203-973-1	No Data Available	-	-	-

Exposure Controls

Eye Protection:	Avoid eye contact. Use safety glasses with side shield or goggles. Use chemical safety goggles and/or a full-face shield where splashing is possible. Maintain eye wash fountain and quick-drench facilities in work area.
Skin Protection :	Avoid skin contact. Wear clothing that provides comprehensive protection to the skin. Wear impervious protective clothing, including boots, gloves, lab coat, apron, or coveralls, as appropriate, to prevent skin contact.
Respiratory Protection:	Avoid breathing vapour. Respiratory protection is not required during normal operations where ventilation is sufficient.
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:	Liquid
Colour:	Pale yellow to straw
Aroma/Odour:	Sweet Lemongrass and soft woody floral
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
Refractive Index:	1.506 – 1.526

Specific Gravity (20°C/20°C): 0.95 – 0.97
Other information: None available

10. STABILITY AND REACTIVITY

Reactivity Hazards: No dangerous reaction known under conditions of normal use.

Chemical Stability: Good stability under normal storage conditions.

Hazardous Reactions: No dangerous reaction known under conditions of normal use.

Conditions to Avoid: Avoid extreme heat, flames, ignition sources and incompatibles.

Incompatibles: None known.

Hazardous Decomposition Products: Not expected. Stable under ordinary conditions of use and storage.

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.

Assumed Toxicity Value (LC50 or ATE) for Acute Inhalation Toxicity: Not Available

Inhalation Route: Not Available

Information about hazardous Ingredients in the Mixture:

EC	CAS	Ingredients	LD50/ATE Oral	LD50/ATE Dermal	LC50/ATE Inhalation
226-394-6	5392-40-5	3,7-dimethylocta-2,6-dienal	Not Determined	Not Determined	Not Determined
202-983-3	101-86-0	2-(phenylmethylidene)octanal	Not Determined	Not Determined	Not Determined
204-262-9	118-58-1	benzyl 2-hydroxybenzoate	Not Determined	Not Determined	Not Determined
214-946-9	1222-05-5	1,3,4,6,7,8-hexahydro-4,6,6,7,8,8hexamethylcyclopenta(g)-2-benzopyran	Not Determined	Not Determined	Not Determined
289-752-0	8007-02-1 or 89998-14-1	cymbopogon flexuosus oil	Not Determined	Not Determined	Not Determined
250-954-9	32210-23-4	(4-tert-butylcyclohexyl) acetate	Not Determined	Not Determined	Not Determined
204-881-4	128-37-0	2,6-ditert-butyl-4-methylphenol	Not Determined	Not Determined	Not Determined
-	125304-04-3	2-(benzotriazol-2-yl)-6-dodecyl-4-methylphenol	Not Determined	Not Determined	Not Determined
259-174-3	54464-57-2	1-(2,3,8,8-tetramethyl-1,3,4,5,6,7-hexahydronaphthalen-2-yl) ethenone	Not Determined	Not Determined	Not Determined
251-020-3	32388-55-9	Methyl cedryl ketone	Not Determined	Not Determined	Not Determined
248-908-8	28219-61-6	2-Ethyl-4-(2,2,3-trimethyl-3-cyclopenten-1-yl)-2-buten-1-ol	Not Determined	Not Determined	Not Determined
	8000-27-9	Juniperus virginiana wood oil	Not Determined	Not Determined	Not Determined
204-116-4	115-95-7	3,7-dimethylocta-1,6-dien-3-yl acetate	Not Determined	Not Determined	Not Determined
250-954-9	32210-23-4	(4-tert-butylcyclohexyl) acetate	Not Determined	Not Determined	Not Determined
201-036-1	77-54-3	Acetic acid, cedrol ester	Not Determined	Not Determined	Not Determined
233-732-6	10339-55-6	(6E)-3,7-dimethylnona-1,6-dien-3-ol	Not Determined	Not Determined	Not Determined

232-433-8	68647-72-3 or 8008-57-9	Orange oil terpenes	Not Determined	Not Determined	Not Determined
265-453-0	65113-99-7	3-methyl-5-(2,2,3-trimethyl-1-cyclopent-3-enyl) pentan-2-ol	Not Determined	Not Determined	Not Determined
204-464-7	121-32-4	3-ethoxy-4-hydroxybenzaldehyde	Not Determined	Not Determined	Not Determined
204-881-4	128-37-0	2,6-ditert-butyl-4-methylphenol	Not Determined	Not Determined	Not Determined
	8007-08-7	Zingiber officinale rosc. root oil	Not Determined	Not Determined	Not Determined
232-268-1	8000-41-7	2-(4-methyl-1-cyclohex-3-enyl) propan-2-ol	Not Determined	Not Determined	Not Determined
230-597-5	7212-44-4	3,7,11-trimethyldodeca-1,6,10-trien-3-ol	Not Determined	Not Determined	Not Determined
284-515-8	68917-33-9 or 84929-31-7	Lemon oil terpenes	Not Determined	Not Determined	Not Determined
204-872-5	127-91-3	7,7-dimethyl-4- methylidenebicyclo [3.1.1] heptane	Not Determined	Not Determined	Not Determined
203-973-1	112-45-8	Undec-10-enal	Not Determined	Not Determined	Not Determined

12. ECOLOGICAL INFORMATION

Toxicity:	No specific ecological information is available for this product. Avoid contaminating the soil as well as surface and ground water.
Persistence and degradability:	No specific ecological information is available for this product. Avoid contaminating the soil as well as surface and ground water.
Bioaccumulative potential:	No specific ecological information is available for this product. Avoid contaminating the soil as well as surface and ground water.
Mobility in soil:	No specific ecological information is available for this product. Avoid contaminating the soil as well as surface and ground water.
PBT and vPvB Assessment:	This mixture does not contain any substances that are assessed to be a PBT or a vPvB.
Other Adverse Effects:	None

13. DISPOSAL CONSIDERATIONS

Disposal:	Dispose of in accordance with local regulations. Avoid disposing into drainage systems and into the environment.
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14. TRANSPORT INFORMATION

UN Number:	UN3082
UN Proper Shipping Name:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
Transport Hazard Class(es):	9
Sub Risk:	None
Packing Group:	III
Environmental Hazards:	No
Special Precautions for user:	None additional

Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code: Not Applicable
None

15. REGULATORY INFORMATION

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

Water Hazard Class (WGK) N/A

Chemical Safety Assessment N/A

16. OTHER INFORMATION

Abbreviations & Acronyms

Abbreviation	Meaning
AH 1	Aspiration Hazard Category 1
ATD 4	Acute Toxicity-DERMAL Category 4
ATO 5	Acute Toxicity-ORAL Category 5
C2	Hazardous to the Aquatic Environment Chronic Category 2
EDI 2	Serious Eye Damage/Irritation Category 2
EDI 2A	Serious Eye Damage/Irritation Category 2A
EDI 2B	Serious Eye Damage/Irritation Category 2B
EH A2	Hazardous to the Aquatic Environment Acute Category 2
EH A3	Hazardous to the Aquatic Environment Acute Category 3
FL 3	Flammable Liquids Category 3
FL 4	Flammable Liquids Category 4
RES 1	Respiratory-Sensitisation Category 1
SCI 2	Skin Corrosion/Irritation Category 2
SCI 3	Skin Corrosion/Irritation Category 3
SS 1	Skin-Sensitisation Category 1
SS 1B	Skin-Sensitisation Category 1B
STO-SE 2	Specific Target Organ Toxicity (Single Exposure) Category 2
STO-SE 3	Specific Target Organ Toxicity (Single Exposure) Category 3
H226	Flammable liquid and vapour
H227	Combustible liquid
H303	May be harmful if swallowed
H304	May be fatal if swallowed and enters airways
H312	Harmful in contact with skin
H315	Causes skin irritation
H316	Causes mild skin irritation
H317	May cause an allergic skin reaction
H319	Causes serious eye irritation
H320	Causes eye irritation
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled
H335	May cause respiratory irritation
H371	May cause damage to organs
H401	Toxic to aquatic life
H402	Harmful to aquatic life
H411	Toxic to aquatic life with long lasting effects

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.