

1. IDENTIFICATION

Product Name: French Pear Fragrance
Other Names: N/A
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 Liquids (Category 4)
 Skin Irritation (Category 2)
 Eye Irritation (Category 2)
 Skin Sensitisation (Category 1)
 Reproductive Toxicity (Category 2)
 Acute Aquatic Toxicity (Category 2)
 Chronic Aquatic Toxicity (Category 2)

Hazard Symbol(s): Xi Xn N

Hazard Pictogram(s):



Signal Word: WARNING

Risk Phrases: R36 Irritating to eyes
 R38 Irritating to skin
 R43 May cause sensitization by skin contact.
 R51 Toxic to aquatic organisms
 R53 May cause long-term adverse effects in the aquatic environment.
 R62 Possible risk of impaired fertility

Safety Phrases: S16 Keep away from sources of ignition – No smoking.
 S24 Avoid contact with skin.
 S25 Avoid contact with eyes.
 S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
 S29 Do not empty into drains.
 S36/37/39 Wear suitable protective clothing/gloves and eye/face protection.
 S60 This material and its container must be disposed of hazardous waste.
 S61 Avoid release to the environment.

Hazard Statements (s): H227 Combustible liquid.
 H315 Causes skin irritation.
 H317 May cause an allergic skin reaction.
 H319 Causes serious eye irritation.

H361 Suspected of damaging fertility or the unborn child.
H401 Toxic to aquatic life.
H411 Toxic to aquatic life with long lasting effects.

Precautionary Statements(s): P302 + P352 IF ON SKIN: Wash with plenty of soap and water.
P308 + P313 If exposed or concerned: Get medical advice/attention.
P333 + P313 If skin irritation or rash occurs: Get medical advice/attention.
P362 Take off contaminate clothing and wash before reuse.
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing.
P337 + P313 If eye irritation persists: Get medical advice/attention.
P370 + P378 In case of fire: Use foam, carbon dioxide (CO₂), dry powder.
P391 Collect Spillage.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Mixtures:

CAS No	Description	Concentration	GHS Classification
84-66-2	diethyl benzene-1,2-dicarboxylate	30-60	-
104-55-2	3-phenyl propen-2-al	< 10	H312, H315, H317, H319
32210-23-4	4-tert-butyl cyclohexyl acetate	< 10	H303, H317, H401
165184-98-5	hexyl cinnamic aldehyde	< 10	H317, H401, H411
97-53-0	4-allyl-2-methoxy phenol	< 10	H317, H319
80-54-6	p-tert-butyl-alpha-methyl dihydrocinnamic aldehyde	< 1	H302, H315, H317, H361, H401, H411

4. FIRST AID MEASURES

Ingestion: Give plenty of water to drink. Call a POISON CENTRE or doctor/physician if you feel unwell.

Skin Contact: Remove any contaminated clothing or shoes. Wash skin with soap and water. If skin irritation persists: Get medical advice/attention.

Eye Contact: Flush eye(s) immediately with water for 15 minutes, lifting eyelids occasionally. Contact a physician if irritation persists.

Inhalation: Remove from the exposure to fresh air. Contact a physician, as necessary.

5. FIRE FIGHTING MEASURES

Suitable extinguishing media: Carbon dioxide (CO₂), Dry power, Foam.

Unsuitable extinguishing media: Do not use full water jet.

Advice for Fire Fighters: Avoid inhalation of generated fumes or vapours. Keep containers cool by spraying them with water if exposed to fire. Wear self-contained breathing apparatus and protective suit.

6. ACCIDENTAL RELEASE MEASURES

Spills and Leaks: Eliminate all ignition sources. Ventilate area. Contain spill and recover free product. Do not discharge product into drains, surface water or ground water.
Absorb remainder on vermiculite or other suitable non-flammable absorbent material. Use of self-contained breathing apparatus is recommended for any major chemical spills. Place material and absorbent into sealed containers and dispose of in accordance with current applicable laws and regulation.

7. HANDLING AND STORAGE

General Precautions:	Care should be taken to observe any precautions given on the container.
Handling:	Wash thoroughly after handling. Remove contaminated clothing and wash before re-use. Use only in a well-ventilated area. Ground and bond containers when transferring material. Use spark-proof tools and explosion-proof equipment. Avoid contact with eyes, skin, and clothing – always wear safety goggles. Empty containers retain product residue (liquid and/or vapour) and can be hazardous. Do not re-use empty containers. Avoid contact with heat, sparks and flame. Do not pressurise, cut, weld, braze, solder, drill, grind, or expose containers to heat, sparks or open flame.
Storage Conditions:	Store in a tightly closed container. Keep away from heat, sparks, flame, and sources of light. Store in a cool, dry, well-ventilated area away from incompatible substances.
Other Precautions:	Good manufacturing practices dictate that an eyewash fountain and/or safety shower should be available in the work area. Smoking and naked flames should not be permitted in areas where product is handled.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

For diethyl benzene -1,2-dicarboxylate:	TWA 5mg/m ³
For hexyl cinnamic aldehyde:	DNEL: Inhalation Systemic-long term 0.078mg/m ³ , Local-acute 6.3mg/m ³ , Dermal Systemic - long term 18mg/kgbw/day, Local long term 525ug/cm ² , local acute 525ug.cm ²
Engineering Controls:	Not available.
Fire & Explosion Hazard:	Keep away from heat and open flames.
Respiratory Protection:	Use NIOSH approved respirator.
Ventilation Protection:	Use adequate general or local exhaust ventilation.
Eye Protection:	Use goggles or face shields.
Skin Protection:	Wear appropriate protective gloves to prevent skin exposure.
Clothing Protection:	Wear appropriate protective clothing to prevent skin exposure.
Other Information:	Avoid inhalation and contact with skin and eyes. Good hygiene practices should be used. Wash after any contact, before breaks and meals or using the toilet, and at the end of the work period. Contaminated clothing and shoes should be cleaned before re-use.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Clear liquid, colourless to yellow.
Aroma/Odour:	Preformistic.
pH:	Not determined
Melting Point:	Not determined
Boiling point:	Not determined
Upper/lower flammability range:	Not determined
Flash Point (closed cup test):	81°C
Flammability (Solid, gas):	Not determined
Evaporation Rate:	Not determined
Vapour pressure:	Not determined
Vapor Density:	Not determined
Auto Ignition Temp:	No data available.
Decomposition temperature:	No data available.
Solubility:	Insoluble in water
Specific Gravity:	1.02 -1.05
Other information:	None available

10. STABILITY AND REACTIVITY

Chemical Stability:	Stable under normal temperatures and pressures.
Conditions to avoid:	Heating, pressurising, and impacting product.
Incompatibilities with other materials:	Avoid contact or contamination with strong acids, alkalis, oxidising and reducing agents.
Hazardous Combustion or Decomposition Products:	No hazardous decomposition products known.
Hazardous Reactions:	Has not been reported.

11. TOXICOLOGICAL INFORMATION

Acute & Chronic health effects: Chronic, prolonged exposure to the product concentrate may result in irreversible effects.

Possible routes of exposure:

Ingestion:

Skin/eye exposure: Contact with skin and eyes may result in irritation.

Inhalation: Where this material is used at elevated temperatures vapour may cause irritation to mucous membranes and respiratory tract, headache, and nausea.

Effects following exposure: Not available

Dose concentration or conditions of exposure likely to cause injury: Not available

Delayed effects: Not available

Information about hazardous ingredients in the Mixture:

Ingredient	CAS	EC	LD50/ATE Oral	LD50/ATE Dermal	LC50/ATE Inhalation
diethyl benzene-1,2-dicarboxylate	-	-	8600	> 10000	Not Determined
4-tert-butyl cyclohexyl acetate	-	-	5000	>5000	Not Determined
hexyl cinnamic aldehyde	-	-	3100	>3000	>2100
4-allyl-2-methoxy phenol	-	-	>2000		Not Determined
p-tert-butyl-alpha-methyl dihydrocinnamic aldehyde	-	-	1390	>5250	Not Determined

12. ECOLOGICAL INFORMATION

For diethyl benzene-1,2-dicarboxylate

Ecotoxicity:

LC50 - Oncorhynchus mykiss (rainbow trout) - 12.00 mg/l - 96 h

NOEC - Lepomis macrochirus (Bluegill) - 1.65 mg/l - 96 h

LC50 Daphnia magna (Water flea) – 90.0 mg/l - 48 h

EC50 Desmodemus subspicatus (Scenedesmus subspicatus) - 23 mg/l - 72 h

Persistence and degradability:

Biodegradability: aerobic - Exposure time 28d, Result: > 94.6 % - Readily biodegradable.

Bioaccumulation Lepomis macrochirus (Bluegill) - 21 d -0.00942 mg/l

Bioconcentration factor (BCF): 117

For 4-tert-butyl cyclohexyl acetate:

Ecotoxicity:

Toxicity to fish: LC50(96 h) = 8.6 mg/l

EC50 Daphnia magna (Water flea) = 5.3 mg/l – 48h (OECD Test Guideline 202)

Toxicity to algae: ErC50 = 17 mg/l – 72h

Biodegradability: 75%, Readily biodegradable.

For hexyl cinnamic aldehyde:

Daphnia magna (Water flea) LC50 0.36-0.59 mg/l/48hrs

Pimephales promelas (Fathead minnow) Fish LC50 1.7 mg/l/96hrs

(Growth Inhibition) EC50 Desmodesmus subspicatus (Scenedesmus subspicatus) >0.065 mg/l/72hrs

EC50 Worm Lumbriculus variegatus 659 mg/l/28days

For 4-allyl-2-methoxy phenol:

LC50 Danio rerio (zebra fish) 13mg/L – 96h

EC50 Daphnia 1.13mg/L 48h

Persistence and degradability: Readily Biodegradable

Bioaccumulative potential: No data available

Mobility in soil: No data available

Results of PBT and vPvB assessment: PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

For p-tert-butyl-alpha-methyl dihydrocinnamic aldehyde:

Daphnia magna (Water flea) LC50 22.4 mg/l/48hrs

(Growth Inhibition) EC50 Desmodesmus subspicatus (Scenedesmus subspicatus) 32.5 mg/l/72hrs

(Activated sludge respiration inhibition) Toxicity to bacteria EC50 104/3hours mg/l

FISH LC50 2.04 mg/l/96hr

General:**Ecotoxicity:** No specific data available. Avoid release into environment.**Persistence and degradability:** No specific data available. Avoid release into environment.**Bioaccumulation:** No specific data available. Avoid release into environment.**Mobility in soil:** No specific data available. Avoid release into environment.**13. DISPOSAL CONSIDERATIONS**

Disposal: Do not release into any sewers, on the ground, or into any body of water.
For unused & uncontaminated product, the preferred options include sending to a licensed incinerator or other thermal destruction device. Disposal should be in accordance with federal, state and local regulations.

14. TRANSPORT INFORMATION**UN No:** Not relevant**UN Shipping Name:** Not relevant**Class:** Not relevant**Packing Group:** Not relevant**Hazchem Code:** Not relevant**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

All ingredients listed on AICS.

16. OTHER INFORMATION

Abbreviations & Acronyms

Abbreviation	Meaning
H227	Combustible liquid.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H361	Suspected of damaging fertility or the unborn child.
H401	Toxic to aquatic life.
H411	Toxic to aquatic life with long lasting effects.
P202	Do not handle until all safety precautions have been read and understood.
P210	Keep away from flames and hot surfaces. – No smoking.
P261	Avoid breathing fumes and vapours.
P264	Wash 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.
P281	Use personal protective equipment as required.
P302 + P352	IF ON SKIN: Wash with plenty of soap and water.
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing.
P308 + P313	IF exposed or concerned: Get medical advice/attention.
P333 + P313	If skin irritation or rash occurs: Get medical advice/attention.
P337 + P313	If eye irritation persists: Get medical advice/attention.
P362	Take off contaminated clothing and wash before reuse.
P370	In case of fire: Use foam, carbon dioxide (CO ₂), or dry powder.
P391	Collect Spillage

Abbreviations and acronyms

AICS: Australian Inventory of Chemical Substances
CAS: Chemical Abstracts Services
GHS: Globally Harmonised System
LD50: Median Lethal Dose (50%)
LC50: Median Lethal Concentration (50%)
NICNAS: National Industrial Chemicals Notification and Assessment Scheme
NIOSH: National Institute of Occupational Safety and Health
STEL: Short Term Exposure Limits
TWA: Time Weighted Average
UN: United NationsAA204442 Revised 8 April 2021 page 6 of 6

Key literature references and sources for data

Prepared in Accordance with:

Work Health and Safety Regulations 2011
Globally Harmonised System of Classification and Labelling of Chemicals (GHS) (United Nations)

Sources of Data:

List of Designated Hazardous Substances
Approved Criteria for Classifying Hazardous Substances
Safe Work Australia - Hazardous Chemical Information System (HCIS)
Australian Dangerous Goods Code
Australian Inventory of Chemical Substances (AICS) (NICNAS)
Exposure Standards (Workplace Exposure Standards for Airborne Contaminants)

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.