

SAFETY DATA SHEET

According to Regulation (EC) No. 1272/2008 [CLP/GHS]

SECTION 1 – CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Identification: Sweet Pea & Vanilla

Company Identification: Pure Candle Supplies

17 Lacey St
Croydon, VIC 3136
AUSTRALIA

For Information

in Australia, call: (03) 9730 2213 Mon - Fri 9:00am - 5:00pm AEST
13 11 26 National Poisons Information Centre
Email: hello@purecandlesupplies.com.au

SECTION 2 – HAZARDS IDENTIFICATION

Hazard Classification:

Flammable Liquid Cat 4

Eye Irritation Cat 2A

Skin Irritation Cat 2

Skin Sensitisation Cat 1

Reproductive toxicity Cat 2

Specific Target Organ Toxicity (Single Exposure) - Cat 3 (including Respiratory tract irritation)

Specific Target Organ Toxicity (Repeated Exposure) - Cat 2

Acute Toxicity (Inhalation) - Cat 4

Acute Aquatic Toxicity Cat 2

Chronic Aquatic Toxicity Cat 3

Label Elements

Signal Word:

WARNING



HAZARD STATEMENTS:

H227 – Combustible liquid.

H315 – Causes skin irritation.

H317 – May cause an allergic skin reaction.

H319 – Causes serious eye irritation.

H332 – Harmful if inhaled.

H335 – May cause respiratory irritation.

H361 – Suspected of damaging fertility or the unborn child.

H373 – May cause damage to organs.

H401 – Toxic to aquatic life.

H412 – Harmful to aquatic life with long lasting effects.

PRECAUTIONARY STATEMENTS:

P302 + P352 – IF ON SKIN: Wash with plenty of water and soap.

P304 + P340 – IF INHALED: Remove person to fresh air and keep comfortable for breathing.

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.

P312 – Call a POISON CENTER / doctor / physician if you feel unwell.

P314 – Get medical advice / attention if you feel unwell.

P333 + P313 – If skin irritation or rash occurs: Get medical advice / attention.

P337 + P313 – If eye irritation persists: Get medical advice / attention.

P362 + P364 – Take off contaminated clothing and wash it before reuse.

P370 + P378 – In case of fire: Use foam, carbon dioxide (CO₂), or dry powder.

Full text of listed statements: See section 16.

SECTION 3 – COMPOSITION AND INFORMATION ON INGREDIENTS

CAS #	Chemical Name	%	Classification
84-66-2	diethyl benzene-1,2-dicarboxylate	30-<60	H302, H315, H319, H332, H335, H361, H373, H412
115-95-7	3,7-dimethyl-1,6-octadien-3-yl acetate	10-<30	H315, H317(1B), H319
78-70-6	3,7-dimethyl octa-1,6-dien-3-ol	<10	H227, H303, H315, H317, H319, H402
106-22-9	3.7-Dimethyl-6-octen-1-ol	<10	H315, H317, H319
2705-87-5	prop-2-enyl 3-cyclohexylpropanoate	<10	H302, H312, H317, H332, H400, H410
103-95-7	3-para-cumenyl-2-methyl propionaldehyde	<10	H227, H302, H315, H317, H412
107-75-5, 123238-75-5	7-hydroxy-3,7-dimethyloctanal	<1	H317, H319, H402
141-12-8	cis-3,7-dimethyl-2,6-octadienyl acetate	<1	H315, H317, H401, H412
57378-68-4	(E)-1-(2,6,6-trimethyl-1-cyclohex-3-enyl)but-2-en-1-one	<1	H302, H315, H317, H401, H411
68039-49-6	2,4-dimethyl-3-cyclohexen-1-carboxaldehyde	<1	H227, H315, H317(1B), H319, H411

SECTION 4 – FIRST AID MEASURES

Eye: Flush immediately with clean water for at least 15 minutes. Contact a physician if irritation persists.

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

Ingestion: Give plenty of water to drink. Seek medical attention if necessary.

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

SECTION 5 – FIRE FIGHTING MEASURES

Fire & Explosion Hazard:

In case of fire use foam, carbon dioxide (CO₂), or dry powder. Keep containers cool by spraying with water if exposed to fire.

Wear self-contained breathing apparatus and protective suit.

Dispose of fire debris and contaminated extinguishing water in accordance with local regulations.

Do not use full water jet.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Spills & 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.

SECTION 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,

brazing, soldering, drilling, grinding, or exposing containers to heat, sparks or open flame.

Storage:

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.

SECTION 8 – EXPOSURE CONTROLS, PERSONAL PROTECTION

Exposure standards:

For diethyl benzene-1,2-dicarboxylate: TWA 5mg/m³

For 2,6-bis(1,1-dimethylethyl)-4-methylphenol: TWA 10mg/m³

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.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Clear liquid, Colourless to yellow.

Odour: Perfumistic.

pH: No data available.

Melting Point: No data available.

Boiling Point: No data available.

Flash Point: 90°C (closed cup)

Flammability (Solid, gas): No data available.

Upper/lower flammability or explosive limits: No data available.

Evaporation Rate: No data available.

Vapor pressure: No data available.

Vapor Density: No data available.

Specific Gravity: 0.994-1.024

Solubility: Insoluble in water.

Log Pow (m-Octanol/Water Partition Coefficient): No data available.

Auto Ignition Temp: No data available.

Decomposition temperature: No data available.

SECTION 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.

SECTION 11 – TOXICOLOGICAL INFORMATION

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

Possible routes of exposure:

Ingestion: Accidental swallowing is unlikely in the industrial setting. Harmful if swallowed.

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.

Range of effects following exposure: Not available
Dose concentration or conditions of exposure likely to cause injury: Not available
Delayed effects: Not available
Relevant negative data: None available
Toxicological Data:

For diethyl benzene-1,2-dicarboxylate:
LC 50 inhalation rat >4640/mg/m³/6hr
LD50 Oral rat >5000mg/kg
Dermal Rat LD50 >5000mg/kg
Repeated Dose LOAEL Rat Oral 150mg/Kg bw/dat

For 3,7-dimethyl-1,6-octadien-3-yl acetate:
LD50 Dermal rabbit 5000mg/kg
LD50 Oral rat 9000mg/kg

For 3,7-dimethyl octa-1,6-dien-3-ol:
LD50 Dermal rabbit 5610mg/kg
skin rabbit: Irritating
Inhalation mouse LC50 5mg/l/4hr
Oral mouse LD50 2200mg/kg
LD50 Oral rat 2790mg/kg
NOAEL Oral Rat 117mg/kg bw/d (28days)
NOAEL Dermal Rat 250mg/kg bw/d 90day

For 3,7-Dimethyl-6-octen-1-ol:
LD50 Dermal rabbit 2650mg/kg
Skin man: Irritation 48h
LD50 Oral rat 3450mg/kg

For prop-2-enyl 3-cyclohexylpropanoate
LD50 Dermal rabbit 1600mg/kg
LC 50 inhalation rat 11mg/l 4h
LD50 Oral rat 380mg/kg

For 3-para-cumenyl-2-methyl propionaldehyde:
LD50 Dermal rabbit >5000mg/kg
LD50 Oral rat 3810mg/kg
Dermal Rat LD50 >5000mg/kg

For 7-hydroxy-3,7-dimethyloctanal:
LD50 Dermal rabbit >2000mg/kg
Skin rabbit: Irritating
LD50 Oral rat >5000mg/kg

For cis-3,7-dimethyl-2,6-octadienyl acetate:
LD50 Dermal rabbit >5000mg/kg
LD50 Oral rat >5000mg/kg

For (E)-1-(2,6,6-trimethyl-1-cyclohex-3-enyl)but-2-en-1-one:
Oral mouse LD50 1821mg/kg

For 2,4-dimethyl-3-cyclohexen-1-carboxaldehyde:
LD50 Dermal rabbit 2500mg/kg
LD50 Oral rat 3900mg/kg

SECTION 12 – ECOLOGICAL INFORMATION

For diethyl benzene-1,2-dicarboxylate:

Ecotoxicity:

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

LC50 (Sheepshead Minnow, 96hrs): 29 mg/L

LC50 (Fathead Minnow, 96hrs) : 17 mg/L

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

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

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

Persistence and degradability:

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

Bioaccumulation: : The potential for bioaccumulation of Diethyl Phthalate is low. (based on log Pow <3) [ECHA RSD]

Bioconcentration factor (BCF): 117

Harmful to aquatic life. Water polluting substance.

Avoid contaminating waterways, drains or sewers. (Source: SDS)

For 3,7-dimethyl-1,6-octadien-3-yl acetate:

Toxicity:

LC50 - Cyprinus carpio (Carp) - 11 mg/l - 96 h (OECD Test Guideline 203)

EC50 - Daphnia magna (Water flea) - 59 mg/l - 48 h (OECD Test Guideline 202)

EC50 for freshwater algae - 68 mg/L

Persistence and degradability: Biodegradability aerobic - Exposure time 28 d Result: 70 - 80 % - Readily biodegradable. (OECD Test Guideline 301F)

Bioaccumulative potential: No potential for bioaccumulation

Other adverse effects: Discharge into the environment must be avoided. (Source: SDS)

For 3,7-dimethyl octa-1,6-dien-3-ol:

Toxicity to fish: flow-through test LC50 - Cyprinus carpio (Carp) - 11 mg/l - 96 h (OECD Test Guideline 203)

Toxicity to daphnia and other aquatic invertebrates: static test EC50 - Daphnia magna (Water flea) - 59 mg/l - 48 h (OECD Test Guideline 202)

Persistence and degradability:

Biodegradability aerobic - Exposure time 28 d Result: 70 - 80 % - Readily biodegradable. (OECD Test Guideline 301F)

Other adverse effects:

Discharge into the environment must be avoided (Source: SDS)

For 3,7-Dimethyl-6-octen-1-ol:

LC50 Leuciscus idus (Golden orfe) – 14.66 mg/l - 96 h

EC50 Daphnia and other aquatic invertebrates - Daphnia - 17.48 mg/l - 48 h

EC50 Algae - Scenedesmus quadricauda (Green algae) - 2.4 mg/l - 72 h

Persistence and degradability:

Biodegradability aerobic - Exposure time 28 d Result: 80 - 90 % - Readily biodegradable. (OECD Test Guideline 301F)

Chemical Oxygen Demand (COD) 2,050 mg/g Remarks: (External MSDS)

Theoretical oxygen demand: 2,961 mg/g Remarks: (External MSDS)

Other adverse effects: Discharge into the environment must be avoided. (Source: SDS)

For prop-2-enyl 3-cyclohexylpropanoate:

Very toxic to aquatic life with long lasting effects,

Do not allow to get into wastewater or waterways. (Source: SDS)

Biodegradation in fresh water: Readily biodegradable

Bioaccumulation Factor (BCF) - L/kg ww: 861 L/kg ww

Adsorption/desorption: Henry's law constant: 42.2 Pa.m³.mol⁻¹ @ 25 °C

Short-term toxicity to fish: LC50 (4 days) 130 µg/L

Long-term toxicity to fish: NOEC (28 days) 59 µg/L

Short-term toxicity to aquatic invertebrates: EC50 (48 h) 3.8 mg/L

Toxicity to aquatic algae and cyanobacteria: EC50 (4 days) 2.3 - 4.6 mg/L (Source: ECHA 20/10/2025)

For 3-para-cumenyl-2-methyl propionaldehyde:

Toxicity:

Fish: LC50 (4 days) 1.42 - 2.49 mg/L

Aquatic invertebrates: EC50 (48 h) 1.4 mg/L

EC50 (21 days) 1.7 mg/L

Algae and cyanobacteria: EC50 (4 days) 2.7 - 3.8 mg/L

EC50 (72 h) 2.7 - 4.3 mg/L

Microorganisms: EC50 (3 h) 100 mg/L

Biodegradation: 66%, 28 days Readily biodegradable

Bioaccumulative potential: Bioaccumulation Factor (BCF) - L/kg ww: 102 L/kg ww

Secondary poisoning: 2 mg/kg food (Source: ECHA 07/07/2021)

Other adverse effects:

Do not allow the material to enter streams, sewers or other waterways. (Source: SDS)

For 7-hydroxy-3,7-dimethyloctanal:

Short-term toxicity to fish: LC50 (4 days) 31.6 mg/L

Short-term toxicity to aquatic invertebrates: EC50 (48 h) 410 mg/L

Toxicity to aquatic algae and cyanobacteria: EC50 (72 h) 123.32 mg/L [1]

EC10 (72 h) 42.36 mg/L [1]

EC90 (72 h) 235.05 mg/L [1] (Source: ECHA)

For cis-3,7-dimethyl-2,6-octadienyl acetate:

Ecotoxicity: Harmful to aquatic life with long lasting effects.

The product contains geranyl acetate, classified as toxic to aquatic life with long lasting effects.

ACETATE DE NERYLE 90 is classified harmful to aquatic life with long lasting effects. (SDS)

Biodegradation in water: Readily biodegradable

Bioaccumulation Factor (BCF): - L/kg ww 62.32 - 454 L/kg ww

Adsorption/desorption: Koc 503 - 1 151 L/kg (ECHA 16/10/2023)

For (E)-1-(2,6,6-trimethyl-1-cyclohex-3-enyl)but-2-en-1-one:

Toxicity to fish : LC50: 0.97 mg/l - 96 h - *Oryzias latipes* (Orange-red killifish) - semi-static test

Method: OECD Test Guideline 203

Toxicity to algae : EbC50: 2.47 mg/l - 72 h - *Pseudokirchneriella subcapitata* (green algae) Growth inhibition Method: OECD Test Guideline 201

: ErC50: 4.54 mg/l - 72 h - Species: *Pseudokirchneriella subcapitata* (green algae) –

Growth inhibition Method: OECD Test Guideline 201

NOEC: 0.883 mg/l - 72 h - *Pseudokirchneriella subcapitata* (green algae) – Growth inhibition Method:

OECD Test Guideline 201

Toxicity to bacteria : EC50: 241 mg/l - 3 h - Respiration inhibition

Method: OECD 209

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity): NOEC: 0.35 mg/l - 21 d - Species: *Daphnia magna* (Water flea) - semi-static test

Method: OECD 211

Persistence and degradability:

Biodegradability : aerobic

Result: Not readily biodegradable. 16 %

Method: OECD 301 C

Bioaccumulative potential: .

Bioaccumulation : Species: *Cyprinus carpio* (Carp) - 60 d Temperature: 25 °C

Bioconcentration factor (BCF): 58.3

Method: OECD 305 (Source: SDS)

For 2,4-dimethyl-3-cyclohexen-1-carboxaldehyde:

Acute Aquatic:

Algae EC50 31 mg/l, 72 hours Green algae (*Desmodesmus subspicatus*) (based on growth rate - nominal concentration - OECD 201)

Crustacea EC50 22.4 mg/l, 48 hours (measured concentration - similar to OECD 202) *Daphnia magna*

Fish LC50 7.5 mg/l, 96 hours (measured concentration - OECD 203) *Oncorhynchus mykiss* (reported as *Salmo gairdneri*)

Persistence and degradability: The substance is not readily biodegradable.

Biodegradation achieved in 28 days: 3% (oxygen consumption - assay conducted according to OECD 301F guideline - activated sludge, domestic wastewater treatment plant).

The substance is not considered to be very persistent and very bioaccumulating (vPvB).

Mobility in soil: The adsorption coefficient of the substance was determined in a study conducted following the OECD 121 guideline: log Koc: 2.2

Taken with the high water solubility, this value is low enough to suggest that the substance will show limited adsorption to soil or sediment particulates, and will partition mainly to water (in the surface or ground water compartments). (Source: SDS)

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.

SECTION 13 – DISPOSAL CONSIDERATIONS

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.

SECTION 14 – TRANSPORT INFORMATION

UN No: None

UN Shipping Name: None

Class: None

Packing Group: None

Hazchem Code: None

SECTION 15 – REGULATORY INFORMATION

Regulation (EC) No 1907/2006 (REACH): All the ingredients of the mixture have been registered or are exempt from registration.
All ingredients listed on AICIS.

SECTION 16 – ADDITIONAL INFORMATION

Entire text of the H and P phrases mentioned in section 2 & 3

HAZARD STATEMENTS:

- H227 – Combustible liquid.
- H315 – Causes skin irritation.
- H317 – May cause an allergic skin reaction.
- H319 – Causes serious eye irritation.
- H332 – Harmful if inhaled.
- H335 – May cause respiratory irritation.
- H361 – Suspected of damaging fertility or the unborn child.
- H373 – May cause damage to organs.
- H401 – Toxic to aquatic life.
- H412 – Harmful to aquatic life with long lasting effects.

PRECAUTIONARY STATEMENTS:

- P201 – Obtain special instructions before use.
- P202 – Do not handle until all safety precautions have been read and understood.
- P210 – Keep away from heat, hot surfaces, sparks, open flames, and other ignition sources. No smoking.
- P260 – Do not breathe dust/fume/gas/mist/vapours/spray.
- P261 – Avoid Breathing dust/fume/gas/mist/vapours/spray.
- P264 – Wash thoroughly after handling.
- 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 into the environment.
- P280 – Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.
- P302 + P352 – IF ON SKIN: Wash with plenty of water and soap.
- P304 + P340 – IF INHALED: Remove person to fresh air and keep comfortable for breathing.
- 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.
- P312 – Call a POISON CENTER / doctor / physician if you feel unwell.
- P314 – Get medical advice / attention if you feel unwell.
- P333 + P313 – If skin irritation or rash occurs: Get medical advice / attention.
- P337 + P313 – If eye irritation persists: Get medical advice / attention.
- P362 + P364 – Take off contaminated clothing and wash it before reuse.
- P370 + P378 – In case of fire: Use foam, carbon dioxide (CO₂), or dry powder.
- P403 + P233 – Store in a well-ventilated place. Keep container tightly closed.
- P405 – Store locked up.
- P501 – Dispose of contents / container in accordance with local regulation.

Abbreviations and acronyms

- AICIS: Australian Industrial Chemicals Introduction Scheme
- CAS: Chemical Abstracts Services
- GHS: Globally Harmonised System
- LD50: Median Lethal Dose (50%)
- LC50: Median Lethal Concentration (50%)
- NIOSH: National Institute of Occupational Safety and Health
- STEL: Short Term Exposure Limits
- TWA: Time Weighted Average
- UN: United Nations

Key literature references and sources for data

Prepared in accordance with current:

Sources of Data:

List of Designated Hazardous Substances
Safe Work Australia - Hazardous Chemical Information System (HCIS)
Australian Dangerous Goods Code
Australian Industrial Chemicals Introduction Scheme (AICIS)
Exposure Standards (Workplace Exposure Standards for Airborne Contaminants)

P.C.S Pty Ltd does not warrant that this product is suitable for any use or purpose. The user must ascertain the suitability of the product before use or application intended purpose. Preliminary testing of the product before use or application is recommended. Any reliance or purported reliance upon P.C.S Pty Ltd with respect to any skill or judgement or advice in relation to the suitability of this product of any purpose is disclaimed. Except to the extent prohibited at law, any condition implied by any statute as to the merchantable quality of this product or fitness for any purpose is hereby excluded. This product is not sold by description. Where the provisions of Part V, Division 2 of the Trade Practices Act apply, the liability of P.C.S Pty Ltd is limited to the replacement of supply of equivalent goods or payment of the cost of replacing the goods or acquiring equivalent goods. SDS END