

SAFETY DATA SHEET

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

SECTION 1 – CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Identification: A Dozen Roses

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:

Eye Irritation Cat 2A
Skin Corrosion Cat 1
Skin Sensitisation Cat 1
Carcinogenicity Cat 2
Acute Toxicity (Oral) – Cat 5
Acute Aquatic Toxicity Cat 2
Chronic Aquatic Toxicity Cat 2

Label Elements

Signal Word:

DANGER



HAZARD STATEMENTS:

H303 – May be harmful if swallowed.
H314 – Causes severe skin burns and eye damage.
H317 – May cause an allergic skin reaction.
H319 – Causes serious eye irritation.
H351 – Suspected of causing cancer.
H401 – Toxic to aquatic life.
H411 – Toxic to aquatic life with long lasting effects.

PRECAUTIONARY STATEMENTS:

P301 + P312 – IF SWALLOWED: Call a POISON CENTRE / doctor / physician, if you feel unwell.
P301 + P330 + P331 – IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P302 + P352 – IF ON SKIN: Wash with plenty of water and soap.
P303 + P361 + P353 – IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
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.
P310 – Immediately call a POISON CENTER / doctor / physician.
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.
P363 – Wash contaminated clothes before reuse.
P391 – Collect spillage.

Full text of listed statements: See section 16.

SECTION 3 – COMPOSITION AND INFORMATION ON INGREDIENTS

CAS #	Chemical Name	%	Classification
60-12-8	2-phenyl ethanol	30-<60	H302, H313, H315, H319, H401
106-22-9	3.7-Dimethyl-6-octen-1-ol	30-<60	H315, H317, H319
84-66-2	diethyl benzene-1,2-dicarboxylate	10-<30	H315, H317(1B), H319, H335, H401
6259-76-3	hexyl 2-hydroxy benzoate	<10	H315, H317, H319, H400, H410
90-17-5	(2,2,2-trichloro--1-phenyl) ethyl acetate	<10	H312, H315, H317, H319, H402, H412
122-97-4	3-phenylpropan-1-ol	<10	H314, H318
93-29-8	2-methoxy-4-prop-1-enylphenyl acetate	<1	H303, H317, H401
8006-78-8	pimenta racemosa mill. leaf oil	<1	H226, H302, H304, H315, H317, H319, H341, H351, H400, H410

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, braze, solder, drill, grind, or expose 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: 10mg/m³ TWA

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: >100°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: 0.970 – 1.000
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 2-phenyl ethanol:

Oral Guinea Pig LD50 2540mg/kg
LD50 Dermal rabbit 2500mg/kg
inhalation mammal unspecified LC50 Rat >500mg/m3
Oral mouse LD50 2540mg/kg
LD50 Oral rat 1610mg/kg

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

LD50 Dermal rabbit 2650mg/kg
Skin man: Irritation 48h
LD50 Oral rat 3450mg/kg

For diethyl benzene-1,2-dicarboxylate:

LC 50 inhalation rat >4640/mg/m3/6hr
LD50 Oral rat >5000mg/kg
Dermal Rat LD50 >5000mg/kg

For hexyl 2-hydroxy benzoate:

LD50 Dermal rabbit 5000mg/kg
Skin rabbit: Irritating 4h
LD50 Oral rat 5000mg/kg

For (2,2,2-trichloro-1-phenyl) ethyl acetate:

LD50 Dermal rabbit >2000mg/kg
LD50 Oral rat 6800mg/kg

For 3-phenylpropan-1-ol:

LD50 Dermal rabbit 5000mg/kg
LD50 Oral rat 1500mg/kg

For 2-methoxy-4-prop-1-enylphenyl acetate:

LD50 Dermal rabbit >5000mg/kg
LD50 Oral rat 3450mg/kg

For pimenta racemosa mill. leaf oil:

LD50 Dermal rabbit >5000mg/kg
LD50 Oral rat 1800mg/kg

SECTION 12 – ECOLOGICAL INFORMATION

For 2-phenyl ethanol:

Toxicity:

Fish: LC50 (4 days) 215 - 464 mg/L
Aquatic invertebrates: EC50 (48 h) 287.17 mg/L
EC50 (24 h) 329.88 mg/L
Aquatic algae and cyanobacteria: EC50 (72 h) 490 - 1 300 mg/L
Microorganisms: EC50 (3 h) 100 mg/L

Biodegradable: Readily biodegradable

Bioaccumulation: No potential for bioaccumulation. (Source: ECHA data unknown)

Do not empty into drains. Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
(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 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 hexyl 2-hydroxy benzoate:

Immobilization EC50 - Daphnia magna (Water flea) - 0.357 mg/l, 48 h (OECD Test Guideline 202)

Growth inhibition EC50 - Desmodesmus subspicatus (green algae) - 0.61 mg/l, 72 h (OECD Test Guideline 201)

Persistence and degradability

Biodegradability aerobic - Exposure time 28 d Result: 91 % - Readily biodegradable.(OECD Test Guideline 301F) (Source: SDS)

For (2,2,2-trichloro--1-phenyl) ethyl acetate:

Harmful to aquatic life with long lasting effects.

Biodegradation: 76% (OECD 301D)

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

For 3-phenylpropan-1-ol:

Biodegradation in water: Readily biodegradable

Short-term toxicity to fish: LC50 (4 days) 61 mg/L

Short-term toxicity to aquatic invertebrates: EC50 (48 h) 60.6 mg/L

Toxicity to aquatic algae and cyanobacteria: EC50 (4 days) 43.16 mg/L (Source: ECHA 07/02/2024)

For 2-methoxy-4-prop-1-enylphenyl acetate:

Toxic to aquatic life.

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

For pimenta racemosa mill. leaf oil:

Ecotoxicity: Very toxic to aquatic life with long lasting effects. Avoid contaminating waterways. (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

HAZARD STATEMENTS:

H303 – May be harmful if swallowed.

H314 – Causes severe skin burns and eye damage.

H317 – May cause an allergic skin reaction.

H319 – Causes serious eye irritation.

H351 – Suspected of causing cancer.
H401 – Toxic to aquatic life.
H411 – Toxic 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.
P260 – Do not breathe dust/fume/gas/mist/vapours/spray.
P261 – Avoid Breathing dust/fume/gas/mist/vapours/spray.
P264 – Wash thoroughly after handling.
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.
P301 + P312 – IF SWALLOWED: Call a POISON CENTRE / doctor / physician, if you feel unwell.
P301 + P330 + P331 – IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P302 + P352 – IF ON SKIN: Wash with plenty of water and soap.
P303 + P361 + P353 – IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
P304 + P340 – IF INHALED: Remove person to fresh air and keep comfortable for breathing.
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P308 + P313 – IF exposed or concerned: Get medical advice / attention.
P310 – Immediately call a POISON CENTER / doctor / physician.
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.
P363 – Wash contaminated clothes before reuse.
P391 – Collect spillage.
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:

Work Health and Safety Regulations 2011
Australian Work Health and Safety Regulation 330
Globally Harmonised System of Classification and Labelling of Chemicals (GHS) (United Nations) Rev. 7

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)

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