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

SECTION 1 – CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Identification: Blueberry Cheesecake

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
Specific Target Organ Toxicity (Single Exposure) - Cat 3 (including Respiratory tract irritation)
Specific Target Organ Toxicity (Repeated Exposure) - Cat 2
Reproductive toxicity Cat 2
Acute Aquatic Toxicity Cat 3
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.
H335 – May cause respiratory irritation.
H361 – Suspected of damaging fertility or the unborn child.
H373 – May cause damage to organs.
H402 – Harmful 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 fine water spray, 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	>60	H302, H315, H319, H332, H335, H361, H373, H412
78-70-6	3,7-dimethyl octa-1,6-dien-3-ol	<10	H227, H303, H315, H317, H319, H402
431-03-8, 151677-70-2	2,3-Butanedione	<10	H225, H302, H315, H317(1B), H318, H331, H373
104-55-2	3-phenyl propen-2-al	<1	H303, H315, H317, H319, H401, H412
120-57-0	1,3-benzodioxole-5-carbaldehyde	<1	H303, H315, H317(1B), H361, H402, H412

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 fine water spray, 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:	80°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:	1.090 – 1.120
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 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 2,3-Butanedione:

LD50 Dermal rabbit >5000mg/kg
LC50 inhalation rat 2.25-5.2mg/L 4hr
LD50 Oral rat 1580mg/kg

For 3-phenyl propen-2-al:

Oral Guinea Pig LD50 3400mg/kg
LD50 Dermal rabbit 1260mg/kg
Oral mouse LD50 2200mg/kg
LD50 Oral rat 2200mg/kg

For 1,3-benzodioxole-5-carbaldehyde:

LD50 Dermal rabbit >5000mg/kg
LD50 Oral rat 2700mg/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 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 2,3-Butanedione:

LC50 Fish 96h 46 to 100mg/l
Do not allow to get into wastewater or waterways.(Source: SDS)

For 3-phenyl propen-2-al:

Biodegradation in water: Readily biodegradable
Biodegradation in water & sediment - simulation tests:
Half-life in freshwater: 15 days @ 25 °C
Half-life in freshwater sediment: 4.5 months @ 25 °C
Biodegradation in soil: Half-life in soil - 30 days @ 25 °C
Hazard for Predators: Secondary poisoning 333.333 ng/kg food
Long–term toxicity to fish: NOEC (28 days) 15.159 mg/L
Short–term toxicity to aquatic invertebrates: EC50 (48 h) 3.21 - 119.558 mg/L
Long–term toxicity to aquatic invertebrates: EC50 (21 days) 402 µg/L
Toxicity to aquatic algae and cyanobacteria: EC50 for freshwater algae 31.6 mg/L
Toxicity to microorganisms: EC50 for microorganisms 71 mg/L
Bioaccumulation potential: No bioaccumulation potential (ECHA 01/11/2023)

For 1,3-benzodioxole-5-carbaldehyde:

Harmful to aquatic life with long lasting effects.
Short–term toxicity to fish: LC50 (24 h) 1.6 mg/L
Short–term toxicity to aquatic invertebrates: EC50 (24 h) 82 mg/L
Toxicity to aquatic algae and cyanobacteria: EC50 (72 h) 6.8 - 31 mg/L
Bioaccumulative potential: Partition coefficient n-octanol / water (log Kow): 1.05, log Know
(Source: SDS & ECHA 16/06/2022)

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.
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:
H227 – Combustible liquid.
H315 – Causes skin irritation.
H317 – May cause an allergic skin reaction.
H319 – Causes serious eye irritation.
H335 – May cause respiratory irritation.
H361 – Suspected of damaging fertility or the unborn child.
H373 – May cause damage to organs.
H402 – Harmful 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 breath 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 fine water spray, 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:

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)