

SAFETY DATA SHEET

GHS: According to 2015/830/EU

Code Number: EO100526

Version 4 Revised 30/01/2023

Section 1. Identification of the substance/mixture and of the company/undertaking

1.1 Product Identifier

| | |
|------------------|----------------------------------|
| Product Name | CASSIA ESSENTIAL OIL ABP |
| Code Number | EO100526 - EOCAS |
| Alternative Name | INCI Name: Cinnamomum Cassia Oil |
| REACH Reg No | Not registered |

1.2 Relevant identified uses of the substance or mixture and uses advised against
Concentrated material for manufacturing purposes only.

1.3 Details of the supplier of the safety data sheet

Pure Ingredients Ltd
626A Rosebank Road, Avondale
Auckland 1026
New Zealand

| | |
|------------------|----------------------------------|
| Telephone Number | +09 813 5619 |
| Email Address | compliance@pureingredients.co.nz |

1.4 Emergency Tel No 111 / NZ Poisons Centre **0800 POISON** (0800 764 766)
Emergency Response: 0800 CHEMCALL / 0800 243 622 (24hr)

Section 2. Hazard Identification

2.1 Classification of the substance or mixture

| | |
|---------------------|--|
| FL 4*(3.1D) | Flammable liquid, category 4 |
| ATO 5*(6.1E) | Acute toxicity, oral, category 5 |
| SCI 2*(6.3A) | Skin corrosion/irritation, category 2 |
| SS 1*(6.5B) | Skin sensitisation, category 1 |
| EDI 2A*(6.4A) | Eye damage/irritation, category 2A |
| STO-SE 3(RI)*(6.9B) | Specific target organ, single exposure, respiratory irritation |
| EH A2*(9.1D) | Aquatic hazard, acute, category 2 |

2.2 Label elements

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GHS classification according to Regulation (EC) No 1272/2008

Hazard Pictograms



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 |

Precautionary Statements

| | |
|-----------|--|
| P210 | Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. |
| P261 | Avoid breathing fumes. |
| P271 | Use only outdoors or in a well-ventilated area. |
| P273 | Avoid release to the environment. |
| P280 | Wear protective gloves and eye protection |
| P304+P312 | IF INHALED: Call a POISON CENTRE if you feel unwell. |
| P304+P340 | IF INHALED: Remove person to fresh air and keep comfortable for breathing. |
| P333+P313 | If skin irritation or rash occurs: Get medical advice. |
| P337+P313 | If eye irritation persists: Get medical attention. |
| P362+P364 | Take off contaminated clothing and wash it before reuse. |
| P403+P235 | Store in a well-ventilated place. Keep cool. |
| P405 | Store locked up. |

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P501 Dispose of contents and container in accordance to local regulations.

2.3 Other Hazards

Contains Benzyl Alcohol, Benzyl Benzoate, Benzyl Salicylate, Cinnamal, Cinnamyl Alcohol, Coumarin and Eugenol which may produce an allergic reaction

No further information available at this time

Section 3. Composition / information on ingredients

Any percentage values listed here for hazardous components are for illustrative purposes only

3.1 Substances

| | |
|--------------|------------|
| Description | CASSIA OIL |
| EC/EINECS | 284-635-0 |
| CAS Number | 84961-46-6 |
| USCAS Number | 8007-80-5 |

Hazardous components

| ID Numbers | Chemical Name, Classification and Hazards | Conc (%) |
|--|---|----------|
| CAS 104-55-2 EINECS 203-213-9 REACH | Cinnamic aldehyde ATO 5(2500);SCI 2;SS 1A;EDI 2A H303,H315,H317,H319 | 82.0600 |
| CAS 1504-74-1 EINECS 216-131-3 REACH | trans-methoxycinnamaldehyde EDI 2A;SCI 2 H315,H319 | 8.8100 |
| CAS 91-64-5 EINECS 202-086-7 REACH | Coumarin ATO 3;SS 1B;EH A2,C3 H301,H317,H401,H412 | 1.9700 |
| CAS 100-52-7 EINECS 202-860-4 REACH | Benzaldehyde FL 4;ATO 4(1300) H227,H302 | 0.8500 |
| CAS 60-12-8 EINECS 200-456-2 REACH | Phenyl ethyl alcohol ATD 5(2500);ATO 4(1610);EDI 2A;SCI 3 H302,H313,H316,H319 | 0.5900 |
| CAS 135-02-4 EINECS 205-171-7 REACH | 2-Methoxybenzaldehyde SCI 2;EDI 2A;STO-SE 2 H315,H319,H371 | 0.4900 |
| CAS 3856-25-5 EINECS 223-364-4 REACH | 8-isopropyl-1,3-dimethyltricyclo[4.4.0.02,7]dec-3-ene AH 1 H304 | 0.3900 |

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| | | |
|---|---|--------|
| CAS 104-54-1 EINECS 203-212-3 REACH | Cinnamic alcohol ATO 5(2500):SS 1B H303,H317 | 0.1900 |
| CAS 120-51-4 EINECS 204-402-9 REACH | Benzyl benzoate ATO 4(1500):EH C2 H302,H411 | 0.1500 |
| CAS 87-44-5 EINECS 201-746-1 REACH | Caryophyllene AH 1;SS 1B H304,H317 | 0.1300 |
| CAS 97-53-0 EINECS 202-589-1 REACH | Eugenol ATO 5(2000):SCI 2:SS 1;EDI 2A H303,H315,H317,H319 | 0.0400 |
| CAS 100-51-6 EINECS 202-859-9 REACH | Benzyl alcohol ATD 5(2500):ATI 4:ATO 4(1620):EDI 2A H302,H313,H319,H332 | 0.0400 |
| CAS 118-58-1 EINECS 204-262-9 REACH | Benzyl salicylate SS 1B;EDI 2A;EH C2 H317,H319,H411 | 0.0400 |

Refer to section 16 for the wording of listed classification and hazard statement codes

Section 4. First Aid measures

Take phrases in section 2 into account

4.1 Description of first aid measures

After inhalation

May cause respiratory irritation. If fumes or combustion products are inhaled, remove to fresh uncontaminated air, lay patient on back until breathing returns to normal. Obtain medical advice if necessary.

After skin contact

Irritating, may cause an allergic reaction. Remove contaminated clothing and wash thoroughly with soap and water. Seek medical advice if irritation persists or there are any signs of tissue damage.

After eye contact

Highly irritating. Flush eyes with plenty of water for 15 minutes including under eyelid. Seek medical advice if irritation persists. Removal of contact lenses after an eye injury should only be undertaken by skilled personnel.

After ingestion

May be harmful if swallowed. Do NOT induce vomiting. Position to avoid aspiration should vomiting occur. Wash mouth with plenty of water and obtain medical advice immediately. Never give anything by the mouth to an unconscious patient.

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4.2 Most important symptoms and effects, both acute and delayed

Take phrases in sections 2 and 11 into account. No further information available at this time.

4.3 Indication of immediate medical attention and special treatment needed

Treat symptomatically.

Section 5. Fire-fighting measures

5.1 Extinguishing Media

Carbon dioxide, foam or dry powder. DO NOT USE A DIRECT WATER JET.

5.2 Special hazards arising from the substance or mixture

May produce Carbon dioxide and unidentified organic compounds.

5.3 Advice for fire-fighters

Wear Self-Contained Breathing Apparatus (S.C.B.A.) and full protective clothing to minimise skin exposure. Avoid inhalation of dusts/vapours. Keep containers cool with water spray. Do not use direct water jet on burning material. Do not allow spillage of fire to enter drains or watercourses.

HazChem Code N/A

Section 6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Remove all sources of ignition. Avoid inhalation, skin and eye contact. Ensure proper ventilation. Evacuate all unnecessary personnel. If possible, contain the spill.

6.2 Environmental precautions

Do not discharge directly into drains or the soil. Keep away from surface and ground water.

6.3 Methods and material for containment and cleaning up

Soak up spillage with sand or other inert absorbent material such as earth or vermiculite; transfer used material to a suitable waste container and dispose in accordance with regulations. If large quantities of this material enter the waterways, contact the EPA or your local Waste Management Group.

6.4 Reference to other sections

Refer to information in Sections 7, 8 and 13

Section 7. Handling and storage

7.1 Precautions for safe handling

Maintain good occupational and personal hygiene. Avoid inhalation and contact with

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skin and eyes. Wear protective clothing and use safety glasses. Keep in original container or an alternative made from a compatible material.

7.2 Conditions for safe storage, including any incompatibilities

Store in tightly sealed original containers away from ignition sources and in a cool place. Avoid contact with incompatible materials that support combustion, such as strong oxidising agents.

7.3 Specific end use(s)

No further information available.

Section 8. Exposure controls / personal protection

8.1 Control Parameters

No exposure standards have been established for this material by Work safe Australia. However, as a matter of course avoid repeated or prolonged contact with the skin. Keep out of eyes. Do not ingest. Use with good ventilation, do not breathe dusts/vapours. Sensitive individuals may develop an allergic response.

8.2 Exposure controls

Engineering controls

Natural ventilation should be sufficient, however where dusts/vapours are generated the use of a grounded mechanical exhaust ventilation system is recommended.

Individual protection measures

Refer to Section 5 for specific fire/chemical personal protective equipment advice. Always wash routinely before breaks, meals and at the end of the work period.

Eye/face protection

Use splash-proof safety glasses and face shield where splashing is possible.

Hand protection

Wear chemically resistant disposable gloves.

Other skin protection

Wear overalls. Depending on conditions in the workplace, additional body protection should be considered. Always wash routinely before breaks, meals and at the end of the work period.

Respiratory protection

Not generally required. Use inhalation protection in poorly ventilated areas.

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Thermal hazards

No information.

Environmental exposure controls

Emissions from ventilation and process equipment should be checked to ensure compliance with environmental protection legislation.

National Exposure Standards

No exposure standards have been established for this material by Worksafe Australia.

Biological Limit Values

No biological limit allocated.

Section 9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

| | |
|---------------------------------|---|
| FLASH POINT (°C) | 92°C |
| APPEARANCE | Mobile liquid |
| COLOUR | Yellow to dark reddish-brown |
| ODOUR | Strong, spicy, warm, intensely sweet, similar to cinnamon |
| ODOUR THRESHOLD | Not available |
| pH @20 DEG C | Not available |
| MELTING/FREEZING POINT | Not available |
| INITIAL BOILING POINT AND RANGE | 266°C |
| EVAPORATION RATE | Not available |
| FLAMMABILITY (SOLID/GAS) | Not available |
| UPPER/LOWER FLAMMABILITY LIMITS | Not available |
| VAPOUR PRESSURE | Not available |
| VAPOUR DENSITY | 1.06 |
| SPECIFIC GRAVITY @ 20°C | 1.045 to 1.071 |
| SOLUBILITIES | Insoluble in water |
| PARTITION COEFF N-OCTANAL/WATER | Not available |

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| | |
|---------------------------|---------------|
| AUTO-IGNITION TEMPERATURE | Not available |
| DECOMPOSITION TEMPERATURE | Not available |
| VISCOSITY @ 20 DEG C | Not available |
| EXPLOSIVE PROPERTIES | Not available |
| OXIDISING PROPERTIES | Not available |

9.2 Other information

No further information available.

Section 10. Stability and reactivity

10.1 Reactivity

No data.

10.2 Chemical Stability

Stable under the recommended storage conditions (see section 7).

10.3 Possibility of hazardous reactions

No hazardous reactions if stored under suitable storage conditions.

10.4 Conditions to avoid

Avoid exposure to heat, sources of ignition, and open flame. Avoid exposure to air.

10.5 Incompatible materials

Keep away from oxidising agents and from highly alkaline or acidic material.

10.6 Hazardous decomposition products

During combustion may form carbon monoxide, carbon dioxide and unidentified organic compounds.

Section 11. Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Cinnamomum cassia (CAS: 8007-80-5)

Oral route: LD50 = 2650 mg/kg

May be harmful if swallowed.

LD50 oral (rat) - 2,800 mg/kg bw

LD50 oral (mouse) - 2,670 mg/kg bw

LD50 dermal (rabbit) - >5,000 mg/kg bw

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Skin corrosion / irritation

Causes skin irritation.

Serious eye damage / irritation

Causes serious eye irritation.

Respiratory or skin sensitisation

May cause an allergic skin reaction.

Germ cell mutagenicity

No data

Carcinogenicity

No data

Reproductive toxicity

No data

STO-single exposure

May cause respiratory irritation.

STO-repeated exposure

No data

Aspiration hazard

No data

Information on likely routes of exposure

No data

Symptoms related to the physical, chemical and toxicological characteristics

No data

Delayed and immediate effects as well as chronic effects from short and long-term exposure

No data

Interactive effects

No data

Other information

No data

Section 12. Ecological information

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14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code
Not applicable

Section 15. Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

Poison Schedule (SUSMP): S5 CAUTION

HS Tariff Code: 3301.29.00

HSNO Approval Number: HSR002574

This material is listed on the Australian Inventory of Industrial Chemicals (AIIC).

15.2 Chemical safety assessment

A chemical safety assessment has not been carried out

Section 16. Other information

Full list of precautionary phrases

| | |
|----------------|--|
| P210 | Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. |
| P261 | Avoid breathing fumes. |
| P264 | Wash hands 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 to the environment. |
| P280 | Wear protective gloves and eye protection |
| P302+P352 | IF ON SKIN: Wash with plenty of water. |
| P304+P312 | IF INHALED: Call a POISON CENTRE if you feel unwell. |
| 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. Continue rinsing. |
| P333+P313 | If skin irritation or rash occurs: Get medical advice. |
| P337+P313 | If eye irritation persists: Get medical attention. |
| P362+P364 | Take off contaminated clothing and wash it before reuse. |
| P403+P233 | Store in a well-ventilated place. Keep container tightly closed. |
| P403+P235 | Store in a well-ventilated place. Keep cool. |
| P405 | Store locked up. |

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P501 Dispose of contents and container in accordance to local regulations.

Wording of any hazard classes listed in section 3

| | |
|----------|--|
| FL 4 | Flammable liquid, category 4 |
| ATO 3 | Acute toxicity, oral, category 3 |
| ATO 4 | Acute toxicity, oral, category 4 |
| ATO 5 | Acute toxicity, oral, category 5 |
| AH 1 | Aspiration hazard, category 1 |
| ATD 5 | Acute toxicity, dermal, category 5 |
| SCI 2 | Skin corrosion/irritation, category 2 |
| SCI 3 | Skin corrosion/irritation, category 3 |
| SS 1 | Skin sensitisation, category 1 |
| SS 1A | Skin sensitisation, category 1A |
| SS 1B | Skin sensitisation, category 1B |
| EDI 2A | Eye damage/irritation, category 2A |
| ATI 4 | Acute toxicity, inhalation, category 4 |
| STO-SE 2 | Specific target organ, single exposure, category 2 |
| EH A2 | Aquatic hazard, acute, category 2 |
| EH C2 | Aquatic hazard, chronic, category 2 |
| EH C3 | Aquatic hazard, chronic, category 3 |

Wording of any hazard statements listed in section 3

| | |
|------|--|
| H227 | Combustible liquid |
| H301 | Toxic if swallowed |
| H302 | Harmful if swallowed |
| H303 | May be harmful if swallowed |
| H304 | May be fatal if swallowed and enters airways |
| H313 | May be 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 |
| H332 | Harmful if inhaled |
| H371 | May cause damage to organs |
| H401 | Toxic to aquatic life |

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H411 Toxic to aquatic life with long lasting effects
H412 Harmful to aquatic life with long lasting effects

References and further information

Key:

N/A = Not applicable

SUSMP = Standard for the Uniform Scheduling of Medicines and Poisons

AIIC = Australian Inventory of Industrial Chemicals

AICIS = Australian Industrial Chemicals Introduction Scheme

Version 1: GHS format, BV 27/01/2017

Version 2: Hazard statement change, BV 30/01/2017

Version 3: Minor changes, BV 01/08/2017

Version 4: Mandatory revision, RB 30/01/2023

The information contained in this Safety Data Sheet is obtained from current and reliable sources. Pure Ingredients Ltd provides the information contained herein in good faith but makes no representation as to its comprehensiveness or accuracy. This Safety Data Sheet summarises our best current knowledge of the health and safety hazard information of the product, but does not claim to be all inclusive. This document is intended only as a guide to the appropriate handling of this material.