

SAFETY DATA SHEET

GHS: According to 2015/830/EU

Code Number: AV100068

Version 2 Revised 18/01/2023

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

1.1 Product Identifier

Product Name	CAMPHOR CRYSTALS NATURAL BP
Code Number	AV100068 - EFCAMBP
Alternative Name	INCI Name: Camphor
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

FS 2 (4.1.1B)	Flammable solid, category 2
ATO 4 (6.1D)	Acute toxicity, oral, category 4
ATI 4 (6.1D)	Acute toxicity, inhalation, category 4
STO-SE 2 (6.9B)	Specific target organ, single exposure, category 2
EH A2	Aquatic hazard, acute, category 2
EH C3 (9.1C)	Aquatic hazard, chronic, category 3

2.2 Label elements

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

Hazard Pictograms



Signal Word Warning

Hazard Statements

H228	Flammable solid
H302	Harmful if swallowed
H332	Harmful if inhaled
H371	May cause damage to organs
H412	Harmful to aquatic life with long lasting effects

Precautionary Statements

P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P260	Do not breathe fumes.
P270	Do not eat, drink or smoke when using this product.
P271	Use only outdoors or in a well-ventilated area.
P273	Avoid release to the environment.
P280	Wear protective gloves and eye protection
P301+P312	IF SWALLOWED: Call a POISON CENTRE if you feel unwell.
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.
P308+P311	IF exposed or concerned: Call a POISON CENTRE.
P330	Rinse mouth.
P405	Store locked up.
P501	Dispose of contents and container in accordance to local regulations.

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2.3 Other Hazards

Contains nothing known from the allergens list 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	CAMPHOR POWDER NATURAL BP
EC/EINECS	207-355-2
CAS Number	464-49-3
USCAS Number	464-49-3

Section 4. First Aid measures

Take phrases in section 2 into account

4.1 Description of first aid measures

After inhalation

Harmful if inhaled. 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

Remove contaminated clothing. Wash thoroughly with soap and water. Seek medical advice if irritation persists or there is any sign of tissue damage.

After eye contact

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

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.

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.

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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

Material may form an explosive organic dust air mixture. As with all organic dusts, fine particles suspended in air in critical proportions and in the presence of an ignition source may ignite and/or explode. Airbourne dust may be sensitive to ignition by electrostatic discharge, electrical arcs, sparks, welding torches, cigarettes, open flame, or other significant heat sources. Take care to minimize airborne dust.

HazChem Code 1Z

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

Minimize the creation of dust while collecting material. Sweep up and shovel. 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 skin and eyes. Wear protective clothing and use safety glasses. Keep in original container or an alternative made from a compatible material.

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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

Use of a suitable particulate respirator recommended, especially in poorly ventilated areas. AS/NZS: 1716 P2 or equivalent rating recommended.

Thermal hazards

No information.

Environmental exposure controls

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

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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)	64°C
APPEARANCE	Crystalline powder or friable, crystalline masses
COLOUR	White to almost white
ODOUR	Strong, penetrating odour
ODOUR THRESHOLD	Not available
pH @20 DEG C	Not available
MELTING/FREEZING POINT	178 to 182°C
INITIAL BOILING POINT AND RANGE	204°C
EVAPORATION RATE	Not available
FLAMMABILITY (SOLID/GAS)	Not available
UPPER/LOWER FLAMMABILITY LIMITS	0.6 to 3.5% by volume
VAPOUR PRESSURE	5 hPa at 70°C
VAPOUR DENSITY	6.1
SPECIFIC GRAVITY @ 20°C	
SOLUBILITIES	Insoluble in water
PARTITION COEFF N-OCTANAL/WATER	Not available
AUTO-IGNITION TEMPERATURE	Not available
DECOMPOSITION TEMPERATURE	Not available
VISCOSITY @ 20 DEG C	Not available
EXPLOSIVE PROPERTIES	Not available

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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

(+)-bornan-2-one (CAS: 464-49-3)

Oral route: Data not available

Inhalation route: Data not available

Harmful if swallowed. Harmful if inhaled.

LD50 oral (mouse) - 1,310 mg/kg

LD50 inhalation (rat) - 500 mg/m³

Skin corrosion / irritation

May cause skin irritation.

Serious eye damage / irritation

May irritate eyes.

Respiratory or skin sensitisation

No data

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Germ cell mutagenicity

No data

Carcinogenicity

No data

Reproductive toxicity

No data

STO-single exposure

May cause damage to organs

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

12.1 Toxicity

Harmful to aquatic life with long lasting effects. Avoid contaminating waterways.

LC50 (96 h) - fish - 33.25 mg/L

EC50 (48 h) - Daphnia ssp. - 4.23 mg/L

EC50 (72 h) - Freshwater algae - 1.71 mg/L

12.2 Persistence and degradability

Readily biodegradable in water.

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12.3 Bioaccumulative potential

This product shows a low bioaccumulation potential.

12.4 Mobility in soil

Avoid soil, surface water and water-bearing stratum contamination.

12.5 Results of PBT and vPvB assessment

No data

12.6 Other adverse effects

See sections 6, 7, 13 and 15.

Section 13. Disposal considerations

Please refer to the information in section 8 (Exposure controls and personal protection)

13.1 Waste treatment methods

Dispose in accordance with the law and local regulations. Treat as trade effluent.

Section 14. Transport information

14.1 UN number

ADR	1325
IATA	1325
IMDG	1325

14.2 UN proper shipping name

ADR	FLAMMABLE SOLID, ORGANIC, N.O.S. ((1R,4R)-1,7,7-TRIMETHYLBICYCLO[2.2.1]HEPTAN-2-ONE)
IATA	FLAMMABLE SOLID, ORGANIC, N.O.S. ((1R,4R)-1,7,7-TRIMETHYLBICYCLO[2.2.1]HEPTAN-2-ONE)
IMDG	FLAMMABLE SOLID, ORGANIC, N.O.S. ((1R,4R)-1,7,7-TRIMETHYLBICYCLO[2.2.1]HEPTAN-2-ONE)

14.3 Transport hazard class(es)

ADR	4.1
IATA	4.1
IMDG	4.1

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14.4 Packing group

ADR III
IATA III
IMDG III
Tunnel Code (E)

14.5 Environmental Hazards

No relevant information available

14.6 Special precautions for user

Maritime Transport (International Maritime Dangerous Goods Code (IMDG Code)):
EmS: F-A, S-G
Marine Pollutant: No

Road and Rail Transport (Australian Dangerous Goods Code (ADG Code)):

HazChem Code 1Z

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): S6 POISON

HS Tariff Code: 2914.29.00

HSNO Approval Number: HSR002522

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.
P260 Do not breathe fumes.
P264 Wash hands thoroughly after handling
P270 Do not eat, drink or smoke when using this product.
P271 Use only outdoors or in a well-ventilated area.
P273 Avoid release to the environment.

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P280	Wear protective gloves and eye protection
P301+P312	IF SWALLOWED: Call a POISON CENTRE if you feel unwell.
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.
P308+P311	IF exposed or concerned: Call a POISON CENTRE.
P330	Rinse mouth.
P405	Store locked up.
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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 29/06/2017

Version 2: Mandatory revision, RB 18/01/2023

The information contained in this Safety Data Sheet is obtained from current and reliable sources. Pure Ingredients 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.