



## SAFETY DATA SHEET

GHS: According to 2015/830/EU

*Code Number: EO110392*

*Version 2 Revised 24/02/2021*

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

#### 1.1 Product Identifier

Product Name	WEST INDIAN SANDALWOOD (AMYRIS) ESSENTIAL OIL ABP
Code Number	EO110392 - EOSANW
Alternative Name	INCI: Myrris Balsamifera Bark 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](mailto: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

SCI 2*(6.3A)	Skin corrosion/irritation, category 2
SS 1B*(6.5B)	Skin sensitisation, category 1B
EDI 2A*(6.4A)	Eye damage/irritation, category 2A
EH A2*(9.1D)	Aquatic hazard, acute, category 2
EH C2*(9.1B)	Aquatic hazard, chronic, category 2

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## 2.2 Label elements

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

Hazard Pictograms



Signal Word                      Warning

Hazard Statements

H315	Causes skin irritation
H317	May cause an allergic skin reaction
H319	Causes serious eye irritation
H401	Toxic to aquatic life
H411	Toxic to aquatic life with long lasting effects

Precautionary Statements

P261	Avoid breathing fumes.
P264	Wash hands thoroughly after handling
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.
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 all contaminated clothing and wash it before reuse.
P391	Collect spillage.

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P501 Dispose of contents and container in accordance with local regulation.

## 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 SANDALWOOD WEST INDIAN

EC/EINECS 291-076-6

CAS Number 90320-49-3

USCAS Number 8015-65-4

### Hazardous components

ID Numbers	Chemical Name, Classification and Hazards	Conc (%)
CAS 473-15-4 EINECS 610-334-4 REACH	Eudesmol SCI 2; EDI 2A H315, H319	34.0000
CAS 639-99-6 EINECS 211-360-5 REACH	Elemol	9.1000
CAS 495-61-4 EINECS 207-805-8 REACH	beta-Bisabolene (Bisabolene) AH 1; SCI 2; SS 1B H304, H315, H317	1.2000
CAS 7212-44-4 EINECS 230-597-5 REACH	Nerolidol SCI 3; EDI 2A; EH A1, C1 H316, H319, H400, H410	0.6000

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

## Section 4. First Aid measures

Take phrases in sections 2 into account

### 4.1 Description of first aid measures

After inhalation

No known adverse effects. If fumes or combustion products are inhaled, remove to fresh uncontaminated air, lay patient on back until breathing returns to normal.

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## 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

No known adverse effects. Do NOT induce vomiting. Position to avoid aspiration should vomiting occur. Wash mouth with plenty of water. 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.

## 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 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.

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## 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 absorbant 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 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 vapour. Sensitive individuals may develop an allergic response.

### 8.2 Exposure controls

#### Engineering controls

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

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## 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

### 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)	136
APPEARANCE	Viscous mobile liquid
COLOUR	Pale yellow to yellow
ODOUR	Dry, woody, sandalwood-like
ODOUR THRESHOLD	Not available
pH @20 DEG C	Not available
MELTING/FREEZING POINT	-44 to -41.7 deg C

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INITIAL BOILING POINT AND RANGE	280 to 292 deg C
EVAPORATION RATE	Not available
FLAMMABILITY (SOLID/GAS)	Not available
UPPER/LOWER FLAMMABILITY LIMITS	Not available
VAPOUR PRESSURE	1.53Pa at 25 deg C
VAPOUR DENSITY	Not available
SPECIFIC GRAVITY @ 20°C	0.946 to 0.978
SOLUBILITIES	Insoluble in water
PARTITION COEFF N-OCTANAL/WATER	LogP 4.81-6.99 at 25 deg C
AUTO-IGNITION TEMPERATURE	260 deg C
DECOMPOSITION TEMPERATURE	Not available
VISCOSITY @ 20 DEG C	8.37 mm <sup>2</sup> /s (static)
EXPLOSIVE PROPERTIES	Non-explosive
OXIDISING PROPERTIES	Non-oxidising
9.2 Other information	
No further information available	
Section 10. Stability and reactivity	
10.1 Reactivity	
Not determined	
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.	

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## 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

LD50 oral (rat) – 5580mg/kg

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

No data

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



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Interactive effects

No data

Other information

No data

## Section 12. Ecological information

### 12.1 Toxicity

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

Short-term toxicity to aquatic invertebrates (*Daphnia magna*) – EC50 5.2mg/L 48h  
Aquatic algae & cyanobacteria (*Pseudokirchneriella subcapitata*) – EC50 18mg/L 72h

### 12.2 Persistence and degradability

Readily biodegradable in water.

### 12.3 Bioaccumulative potential

No data

### 12.4 Mobility in soil

Prevent contamination of soil, ground and surface water.

### 12.5 Results of PBT and vPvB assessment

This substance is not PBT / vPvB

### 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 Not Regulated

14.2 UN proper shipping name Not Restricted

14.3 Transport hazard class(es)

14.4 Packing group

Tunnel Code

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## 14.5 Environmental Hazards

No relevant information available

## 14.6 Special precautions for user

No relevant information available

HazChem Code N/A

## 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: Not applicable

HS Tariff Code: 3301.29.00

HSNO Approval Number: HSR002503

15.2 Chemical safety assessment

A chemical safety assessment has not been carried out

## Section 16. Other information

Full list of precautionary phrases

P261	Avoid breathing fumes.
P264	Wash hands thoroughly after handling
P272	Contaminated work clothing should not be allowed out of the workplace.
P273	Avoid release to the environment.
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P302+P352	IF ON SKIN: Wash with plenty of water.
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P333+P313	If skin irritation or rash occurs: Get medical advice.
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P351	Rinse cautiously with water for several minutes.
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Wording of any hazard classes listed in section 3

AH 1	Aspiration hazard, category 1
SCI 2	Skin corrosion/irritation, category 2
SCI 3	Skin corrosion/irritation, category 3
SS 1B	Skin sensitisation, category 1B
EDI 2A	Eye damage/irritation, category 2A
EH A1	Aquatic hazard, acute, category 1
EH C1	Aquatic hazard, chronic, category 1

Wording of any hazard statements listed in section 3

H304	May be fatal if swallowed and enters airways
H315	Causes skin irritation
H316	Causes mild skin irritation
H317	May cause an allergic skin reaction
H319	Causes serious eye irritation
H400	Very toxic to aquatic life
H410	Very toxic to aquatic life with long lasting effects

References and further information

KEY:

N/A = Not applicable

Version 1: GHS format, BV 06/03/2017

Version 2: System update, BV 24/02/2021

Authorised by: JJ 24/02/2021

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.