

# SAFETY DATA SHEET

## According to Regulation (EC) No. 1907/2006

### 1. IDENTIFICATION OF SUBSTANCE/MIXTURE AND THE COMPANY/ UNDERTAKING

#### 1.1. Product Identifier

1. Label Name:	Boronia Absolute Australian
2. CAS No:	91771-36-7 / 8053-33-6
3. EINECS Code:	294-926-4
4. FEMA No:	2167
5. EU Tariff Number:	3301 2941
6. Flash Point (closed cup):	63°C
7. UN Number:	3082

#### 1.2 Other means of identification

*Boronia megastigma* (Nees).

#### 1.3 Relevant identified uses of the substance or mixture and uses advised against

**Recommended use:** Concentrated aromatic and flavouring agent which should be used as such according to IFRA or FEMAGRAS/FDA guidelines.

**Recommended restrictions:** For Manufacturing Use Only.

#### 1.4. Details of the supplier of the safety data sheet

Essential Oils of Tasmania Pty Ltd

1520 Channel Highway, Margate, Tasmania, 7054, Australia

For further Information please contact:

**E-mail address/s** [info@eotasmania.com.au](mailto:info@eotasmania.com.au)  
[clare@eotasmania.com.au](mailto:clare@eotasmania.com.au)

#### 1.5. Emergency telephone number

Emergency telephone Office: +613 6229 4222  
Clare McEldowney: +61400615665

Or contact relevant emergency number or POISON CENTRE.

### 2. HAZARD IDENTIFICATION

#### 2.1. Classification of the substance or mixture

Hazardous substance or mixture according to the globally harmonised system (GHS).  
Hazardous according to IATA regulations. Restrictions for airfreight transport

(Regulation CLP)

#### GHS Classifications

Sensitisation, skin (Category 1).

Hazardous to the aquatic environment, long term hazard (Category 2).

## 2.2 Label elements including precautionary statements

### Pictogram



### Signal Word

Warning

### Hazard statement(s)

H317 May cause allergic skin reaction.  
H410 Toxic to aquatic life with long lasting effects.

### Precautionary statement(s)

#### Prevention

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.  
P272 Contaminated work clothing should not be allowed out of the workplace.  
P273 Avoid release to the environment.  
P280 Wear protective gloves/protective clothing/eye protection/face protection.

#### Response

P363 Wash contaminated clothing before reuse.  
P391 Collect spillage.  
P302 + 352 IF ON SKIN: wash with plenty of soap and water.  
P333 + 313 IF SKIN irritation or rash occurs: Get medical advice/attention.

#### Storage

P501 Dispose of contents/containers to an approved waste disposal plant.

## 2.3 Other Hazards

See section 16

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

### 3.1. Substances

Boronia Absolute Australian

CAS No: 91771-36-7 / 8053-33-6

100% Purity

#### Main Components:

Chemical Name	EC-No	Cas. No	Weight %	GHS Classification
heptadec-8-ene	n/a	16369-12-3	20-35	Non-hazardous
$\beta$ -ionone	201-224-3	79-77-6	>23	Aquatic Chronic.2 (H411)
methyl jasmonate isomer	254-705-5	39924-52-2	4-8	Acute tox. 4 (H302), Eye irrit.2 (H319)
dodecyl acetate	203-995-1	112-66-3	2-5	Non-hazardous
dihydro- $\beta$ -ionone	241-318-1	17283-81-7	1-5	Aquatic Chronic.2 (H411)
methyl iso jasmonate	254-705-5	39924-52-2	1-4	Acute tox. 4 (H302), Eye irrit.2 (H319)
dihydro- $\beta$ -ionol	244-735-7	22029-76-1	1-3.5	Non-hazardous
dodecanol	203-982-0	112-53-8	0.5-3	Eye Irrit.2 (H319), Aquatic Chronic.1 (H410)

spatulenol	n/a	6750-60-3	<2	Non-hazardous
α-terpinolene	209-578-0	586-62-9	<2	Flam. Liq. 3 (H226)

For full list of risk symbols and GHS classifications see section 16.

#### 4. FIRST AID MEASURES

##### 4.1. Description of first aid measures

**Inhalation:** If irritation occurs, remove to fresh air. Seek medical treatment if irritation persists.  
**Eye contact:** Rinse thoroughly with plenty of water for 10 – 15 minutes. In case of eye irritation, consult a physician.  
**Skin contact:** Wash off immediately with soap and plenty of water while removing all contaminated clothing.  
**Ingestion:** Clean mouth with water and afterwards drink plenty of water. Do not induce vomiting.

##### 4.2. Most important symptoms and effects, both acute and delayed

The most important known symptoms, and affects are described in the labelling (See section 2.2), and /or section 11.

##### 4.3. Indication of any immediate medical attention and special treatment

No data available.

#### 5. FIRE FIGHTING MEASURES

##### 5.1. Extinguishing media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

##### Appropriate Extinguishing Media

Use water spray, dry chemical, alcohol-resistant foam, or carbon dioxide.

##### 5.2. Special hazards arising from the substance or mixture

Concentrated vapours are heavier than air. In case of high temperatures, potentially explosive mixtures may develop upon contact with air. Carbon oxides may form.

##### 5.3. Advice for fire-fighters

##### Special protective equipment for fire fighters:

Use standard procedures for chemical fire. As in any fire, wear self-contained breathing apparatus, MSHA/NIOSH approved (or equivalent) and full protective gear.

#### 6. ACCIDENTAL RELEASE MEASURES

##### 6.1. Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation and avoid breathing vapours, gas, or mist. Vapours can accumulate in low areas. Contain spillage if safe to do so. For personal protection see section 8.

## **6.2. Environmental precautions**

Prevent further leakage or spillage if safe to do so. Prevent entrance into sewers and ground water.

## **6.3. Methods and material for containment and cleaning up**

Contain spillage with non-combustible absorbent material (e.g. sand, earth, diatomite, acid binder, vermiculite, sawdust) and place in container for disposal according to local/national regulations. Alternatively, an electrically protected wet/dry vacuum cleaner can be used to collect spillage and material to container for adequate disposal. Store in adequate, closed container.

## **6.4. Reference to other sections**

For disposal see section 13

# **7. HANDLING AND STORAGE**

## **7.1. Precautions for safe handling**

Close packaging after use. Avoid skin, eye contact and ingestion. Wear appropriate personal protection. Avoid high temperatures and sources of ignition – No Smoking. Avoid oxidants and acids. Maintain adequate local and general ventilation where the product is used.

## **7.2. Conditions for safe storage, including any incompatibilities**

Store in cool dry area. Keep container tightly closed in a well-ventilated area. Protect from light. Reproduce labelling if damaged or transferred to another container. Keep upright to prevent leakage.

**Temperature:** Ideally maintain storage temperature at 2-5°C.

## **7.3. Specific end use(s)**

See section 1.3. No other specific used.

# **8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

## **8.1. Control parameters**

**Occupational exposure limits** 10 mg/m<sup>3</sup>, on the basis of Workplace Exposure Standards for Airborne Contaminants. Australia.

## **8.2. Exposure controls**

### **General protective and hygienic measures:**

Avoid skin and eye contact. Keep away from foodstuffs and beverages. Handle in accordance with good industrial hygiene and safety practice.

### **Engineering Measures:**

Ensure adequate ventilation, especially in confined areas.

### **Environmental Exposure Controls:**

The product should not be allowed to enter drains, water courses or the soil.

### **Personal protective equipment**

**Eye/face Protection:** Safety glasses with side-shields conforming to appropriate government standards.

<b>Hand Protection:</b>	Handle with gloves (latex or nitrile). Inspect gloves before handling material. Remove carefully to avoid contaminating skin.
<b>Skin and body protection:</b>	Wear suitable protective clothing where the type will depend on the possible contaminant concentrations.
<b>Respiratory protection:</b>	Where risk assessment suggests respirator is needed due to poor engineering measures, use a full-face respirator of appropriate local quality.

## 9. PHYSICAL & CHEMICAL PROPERTIES

### 9.1. Information on basic physical and chemical properties

<b>Botanical name:</b>	Boronia megastigma (Nees).
<b>Aspect (@20° C):</b>	Mobile, viscous material.
<b>Appearance:</b>	Dark brown/green liquid.
<b>Odour:</b>	Green, herbaceous with floral notes.
<b>Shelf Life:</b>	3 years from date of manufacture if stored in original, unopened containers in a cool environment.
<b>Specific Gravity at 20 oC (g/cm3):</b>	0.960 – 0.980
<b>Refractive Index at 20 oC:</b>	1.450 – 1.520
<b>Process:</b>	Non chlorinated solvent extraction of the aerial parts of the plant
<b>Flash Point (ASTM D3828):</b>	63°C

### 9.2. Other Information

No data available

## 10. STABILITY & REACTIVITY

### 10.1. Reactivity

**Dangerous reactions:** No dangerous reactions known if kept in accordance with recommended conditions (section 7.2) and according to relevant identified uses (section 1.2).

### 10.2. Chemical stability

Stable product if kept in accordance with the recommended conditions (section 7.2) and the relevant identified uses (section 1.2).

### 10.3. Possibility of hazardous reactions

No unstable or dangerous substances formed in decomposition, if kept according to the recommendations of section 7.2 and according to the relevant identified uses under section 1.2.

### 10.4. Conditions to avoid

Avoid exposure to high temperatures, flames, sparks and exposure to air or moisture over prolonged periods.

### 10.5. Incompatible materials

Strongly oxidizing agents.

### 10.6. Hazardous/decomposition products

No data available

## 11. TOXICOLOGICAL INFORMATION

### 11.1. Acute toxicological information

**Acute Toxicity:**

No Data available

**Respiratory or skin sensitisation**

No data available

**Serious eye damage/eye irritation**

No data available

**Skin corrosion/irritation**

No data available

**Germ cell mutagenicity**

No data available

**Carcinogenicity**

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed as human carcinogen by IARC.

**Reproductive toxicity**

No data available

**Specific target organ toxicity – single exposure**

No data available

**Specific target organ toxicity – repeat exposure**

No data available

**Aspiration hazard**

No data available

**Additional information**

No data available

## 12. ECOLOGICAL INFORMATION

**12.1. Toxicity**

Do not allow the product to enter the ground water or drains. Even diluted quantities may cause long lasting effects to aquatic life.

**12.2. Persistence and degradability**

No data available

**12.3. Bio-accumulative potential**

No data available

**12.4. Mobility in soil**

No data available

**12.5. Results of PBT and vPvB assessments**

This substance does not have a PBT or vPvB classification to the best of our knowledge, as the chemical safety assessment is not required/conducted.

#### **12.6. Other adverse effects**

No data available

### **13. DISPOSAL CONSIDERATIONS**

#### **13.1. Waste treatment methods**

##### **Waste from Residues/Unused Products:**

Do not flush residual waste product into the sewers or ground water. Dispose of in accordance of legal requirements regarding environmental protection and regarding disposal of waste as well as the requirements of any local authorities. Surplus and not recyclable products to be eliminated by an authorized waste collection company only.

##### **Contaminated packaging:**

Empty containers should be taken to an approved waste handling site for recycling or disposal.

### **14. TRANSPORT INFORMATION**

#### **Labels Required:**



#### **Marine Pollutant:**



#### **IMDG, ADR, IATA:**

**Proper shipping name:** Environmentally hazardous substance, liquid, n.o.s. (PEPPERMINT OIL)

**Hazard class:** 9

**UN/ID No:** 3082

**Environmental Hazard:** Marine pollutant

**Packing Group:** III

**Special Provisions:** —

#### **Additional Information:**

None

### **15. REGULATORY INFORMATION**

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

Classification according to the directive EU 67/548.EEC and 1999/45/CE.

##### **International Inventories**

TSCA	-
EINECS/ELINCS	-
DSL/NDL	-
PICCS	-
ENCS	-
IENSC	-
AICS	-

KECL

-

## Legend

**TSCA** – United States Toxic Substances Control Act Section 8(b) Inventory.

**EINECS/ELINCS** – European Inventory of Existing Chemical Substances/EU List of Notified Chemical Substances.

**DSL/NDL** – Canadian Domestic Substances List/Non-Domestic Substances List.

**PICCS** – Philippines Inventory of Chemicals and Chemical Substances.

**ENCS** – Japan Existing and New Chemical Substances.

**IECSC** – China Inventory of Existing Chemical Substances.



**AICS** – Australian Inventory of Chemical Substances.

**KECL** – Korean Existing and Evaluated Chemical Substances.

## 15.2. Chemical safety assessment

No data available.

## 16. OTHER INFORMATION

Hazard class	Category	Signal Word	Pictogram
Skin sensitisation	Category 1	Warning	
Hazardous to the aquatic environment, long term hazard	Category 2	Warning	

Classification according to EU Directives 67/548/EEC or 1999/45/EC

**This MSDS complies with the requirements of Regulation (EC) No. 1907/2006.**

Preparation according to WHS and ADG requirements and according to GHS 8.

Revision: 4<sup>th</sup> November 2022,

Main areas of review include section 3, 9 and 14 with minor updates throughout.

## Disclaimer

The information provided in this Material Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information is designed only as guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

**Issuing Date:** 4<sup>th</sup> November 2022

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**End of Safety Data Sheet**