

	<b>SAFETY DATA SHEET</b>	Date : 12/06/10
		Version : 4G
		Revision : 02/03/16
		Replace : 10/30/15
<b>Tea Tree Oil Australian Natural</b>		Page : 1/8

## 1 . PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME : Tea Tree Oil Australian Natural  
 REACH REGISTRATION NUMBER :  
 TYPE OF PRODUCT : Essential Oil  
 CHEMICAL NAME : Melaleuca alternifolia Cheel.  
 CAS NUMBER : 68647-73-4  
 EINECS NUMBER : 285-377-1  
 CAS EINECS : 85085-48-9  
 FEMA NUMBER : 3902  
 INCI NAME : MELALEUCA ALTERNIFOLIA LEAF OIL  
 IDENTIFICATION OF USAGE : Industrial  
 SUPPLIER : BONTOUX, Inc.  
 21 Progress  
 08820 Edison, New Jersey  
 United States of America  
 Ph: 908-755-4800  
 Fax : 908-755-4844  
 24 hours emergency telephone number (CHEMTREC) : 800-424-9300

## 2. HAZARDS IDENTIFICATIONS

### CLASSIFICATION ACCORDING TO GHS REGULATION :

Physical hazard : FL 3  
 Health Hazards : AH 1,ATO 4,EDI 2A,SCI 2,SS 1  
 Environmental Hazards : EH-A 2,EH-C 2



WORDS OF WARNING:  
 PARTICULAR RISKS :

**DANGER**

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H226 Flammable liquid and vapour.  
 H302 Harmful if swallowed.  
 H304 May be fatal if swallowed and enters airways.  
 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.

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	<h2 style="margin: 0;">SAFETY DATA SHEET</h2>	Date : 12/06/10
		Version : 4G
		Revision : 02/03/16
		Replace : 10/30/15
<b>Tea Tree Oil Australian Natural</b>		Page : 2/8

PRECAUTIONARY STATEMENT  
PREVENTION :

P210 Keep away from heat, sparks, open flames or hot surfaces. – No smoking.  
P233 Keep container tightly closed.  
P240 Ground/bond container and receiving equipment.  
P241 Use explosion-proof electrical, ventilating, lighting, communication, equipment.  
P242 Use only non-sparking tools.  
P243 Take precautionary measures against static discharge.  
P261 Avoid breathing dust, fume, gas, mist, vapours, spray.  
P264 Wash parts in contact thoroughly after handling.  
P270 Do not eat, drink or smoke when using this product.  
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.

PRECAUTIONARY STATEMENT  
RESPONSE :

P301+P310 IF SWALLOWED : Immediately call a POISON CENTER or doctor/physician.  
P301+P312 IF SWALLOWED : Call a POISON CENTER or doctor if you feel unwell.  
P302+P352 IF ON SKIN : Wash with plenty of soap and water.  
P303+P361+P353 IF ON SKIN (or hair) : Remove immediately all contaminated clothing. Rinse skin with water/shower.  
P305+P351+P338 IF IN EYES : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P310 Immediately call a POISON CENTER or doctor/physician.  
P321 Specific treatment.  
P330 Rinse mouth.  
P331 Do NOT induce vomiting.  
P332+P313 If skin irritation occurs : Get medical advice.  
P333+P313 If skin irritation or rash occurs : Get medical advice.  
P362 Take off contaminated clothing and wash before reuse.  
P363 Wash contaminated clothing before reuse.  
P370+P378 In case of fire : Use CO2 foam, dry chemical for extinction.  
P391 Collect spillage.

PRECAUTIONARY STATEMENT  
STORAGE :

P403+P235 Store in well-ventilated place. Keep cool.  
P405 Store locked up.

PRECAUTIONARY STATEMENT  
DISPOSAL :

P501 Dispose of contents and/or container in accordance with local, regional, national and/or international regulation.

PARTICULAR MENTION :

Not available.

OTHERS :

Not available.

LIMITS OF EXPOSURE :

Not available.

Labelling for irritation based on test datas

	<h1>SAFETY DATA SHEET</h1>	Date : 12/06/10
		Version : 4G
		Revision : 02/03/16
		Replace : 10/30/15
<b>Tea Tree Oil Australian Natural</b>		Page : 3/8

### 3. COMPOSITION INFORMATION

INGREDIENT CONTRIBUTING TO THE HAZARD	CONTENT
<b>Gamma terpinène (CAS : 99-85-4)</b> 1999/45/CE : Xn;R10;R65;S62 GHS : AH 1, ATO 5 (3,850), FL 3, SCI 3	<28%
<b>Cinéol-1,8 (CAS : 470-82-6)</b> 1999/45/CE : Xi;R10;R43;S24;S37 GHS : ATO 5 (2,480), FL 3, SCI 3, SS 1	<15%
<b>Alpha terpinène (CAS : 99-86-5)</b> 1999/45/CE : N;Xn;R10;R22;R51/53;R65;S61;S62 GHS : AH 1, ATO 4 (1,680), EH-A 2, EH-C 2, FL 3, SCI 3	<13%
<b>Para cymène (CAS : 99-87-6)</b> GHS : AH 1, ATO 5 (4,750), EH-A 2, EH-C 2, FL 3, SCI 3	<12%
<b>Pinènes (CAS : 80-56-8(alpha)+127-91-3(beta))</b> 1999/45/CE : N;Xi;XN;R10;R38;R43;R50/53;R65;S24;S36/37;S62 GHS : AH 1, ATO 5 (3,500), EH-A 1, EH-C 1, FL 3, SCI 2, SS 1	<8%
<b>alpha terpinéol (CAS : 98-55-5)</b> 1999/45/CE : Xi;R36/38;S26;S37 GHS : ATO 5 (4,300), EDI 2A, EH-A 2, FL 4, SCI 2	<8%
<b>Terpinolene (CAS : 586-62-9)</b> 1999/45/CE : N;Xn;R43;R50/53;R65;S24;S37;S57;S60;S61;S62 GHS : AH 1, ATO 5 (3,850), EH-A 1, EH-C 1, FL 4, SCI 3, SS 1	<5%
<b>Limonène (CAS : 138-86-3)</b> 1999/45/CE : N;XN;R10;R38;R43;R50/53;R65;S02;S24;S37;S60;S61;S62 GHS : AH 1, EH-A 1, EH-C 1, FL 3, SCI 2, SS 1	<4%
<b>Terpinen-1-ol 4 (CAS : 562-74-3)</b> 1999/45/CE : Xn;R22;R38;S36/37 GHS : ATD 5 (2,500), ATO 4 (1,300), EDI 2A, EH-A 3, FL 4, SCI 2	>30%

Labelling for irritation based on test datas

### 4. FIRST-AID MEASURES

**INGESTION :** Do not try to vomit. Rinse mouth. Consult a doctor.  
**EYE CONTACT :** Wash immediately and abundantly the eyes with a good running water at low pressure. Consult an ophthalmologist.  
**SKIN CONTACT :** Sprinkle abundantly with water during at least 15 minutes.  
**INHALATION :** Remove victim to fresh air

### 5. FIRE FIGHTING

**EXTINGUISHING MEDIA :** *SUITABLE :* CO2 foam, dry chemical.  
*NON SUITABLE :* Water.  
**SPECIFIC METHODS OF FIRE FIGHTING :**  
 None.  
**SPECIAL EQUIPMENT FOR THE PROTECTION OF FIRE FIGHTERS :**  
 No.

BONTOUX, Inc.  
 21 Progress, Edison, New Jersey 08820  
 Ph: 908-755-4800 - Fax : 908-755-4844

	<b>SAFETY DATA SHEET</b>	Date : 12/06/10
		Version : 4G
		Revision : 02/03/16
		Replace : 10/30/15
<b>Tea Tree Oil Australian Natural</b>		Page : 4/8

## 6. ACCIDENTAL RELEASE MEASURES

**PERSONAL PRECAUTIONS :** Avoid all contact with eyes and mucous.  
**ENVIRONNEMENTAL PRECAUTIONS :** Don't throw it in sewer nor in natural environment.  
**METHODS FOR CLEANING-UP :** Recover in a tight container.  
Wash with plenty of water after complete elimination of the product.

## 7. HANDLING AND STORAGE

**HANDLING :** Avoid contact with eyes and mucous.  
**STORAGE :** Keep away from humidity in a fresh place. Keep container closed after using.  
**OTHER :** See Section 8.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**RESPIRATORY PROTECTION :** Assure a good ventilation of work place.  
**HAND PROTECTION :** Plastic or synthetic rubber impermeable gloves.  
**EYE PROTECTION :** Goggles giving complete protection to eyes. Eyewash bottle with clean water.  
**SKIN AND BODY PROTECTION :** Clothes for chemical protection to avoid contact.  
**INGESTION :** Do not eat, drink and smoke while using  
**INDUSTRIAL HYGIENE :** Provide an extraction or global ventilation of the work place to reduce concentrations of the steams.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**FORM :** Mobile liquid  
**COLOR :** Colorless to pale yellow or very pale olive-green  
**ODOR :** Warm-spicy, aromatic-terpenic  
**ODOR THRESHOLD :** Data not found  
**pH :** Data not found  
**MELTING POINT :** Data not found  
**BOILING POINT :** Data not found  
**FLASHPOINT (closed cup) :** 54 °C / 129.2 °F  
**EVAPORATION RATE:** Data not found  
**FLAMMABILITY :** Data not found  
**EXPLOSIVE LIMITS :** Data not found  
**VAPOR PRESSURE :** Data not found  
**VAPOR DENSITY :** Data not found  
**SPECIFIC GRAVITY :** 0.89

 <b>Bontoux, Inc.</b>	<b>SAFETY DATA SHEET</b>	Date : 12/06/10
		Version : 4G
		Revision : 02/03/16
		Replace : 10/30/15
<b>Tea Tree Oil Australian Natural</b>		Page : 5/8

SOLUBILITY IN WATER :	Insoluble
Log K (n-octanol/water) :	Data not found
AUTOIGNITION TEMP. :	252 °C / 485.6 °F
DECOMPOSITION TEMP. :	Data not found
VISCOSITY :	Data not found
EXPLOSIVE PROPRIETIES:	Data not found
OXIDIZING PROPRIETIES:	Data not found
OTHER DATA :	Data not found

## 10. STABILITY AND REACTIVITY

REACTIVITY :	No data available.
CHEMICAL STABILITY :	No data available.
POSSIBILITY OF HAZARDOUS REACTION :	None in normal conditions.
CONDITIONS TO AVOID :	Excessive heat.
INCOMPATIBLE MATERIALS:	Strongly oxidising and reducing agents.
HAZARDOUS DECOMPOSITION PRODUCTS :	None in normal conditions.
OTHERS :	None.

## 11. TOXICOLOGICAL INFORMATION

INGESTION :	Acute toxicity, oral DL50 (mg/Kg) : 1,900
SKIN CONTACT	Can induce irritations.
EYE CONTACT :	Serious eye damage/eye irritation
INHALATION :	No specific hazard in normal use.
ASPIRATION :	Aspiration hazard
SPECIFIC EFFECTS :	No information available.

## 12. ECOLOGICAL INFORMATION

TOXICITY :	See Section 2
PERSISTENCE / DEGRADABILITY :	No information available.
BIOACCUMULATION POTENTIAL :	No information available.
RESULTS OF PBT AND vPvB ASSESSMENT :	No information available.
MOBILITY IN SOIL :	No information available.
WGK :	2
OTHER ADVERSE EFFECTS :	Not known.

 <b>Bontoux, Inc.</b>	<b>SAFETY DATA SHEET</b>	Date : 12/06/10
		Version : 4G
		Revision : 02/03/16
		Replace : 10/30/15
<b>Tea Tree Oil Australian Natural</b>		Page : 6/8

**13. DISPOSAL CONSIDERATION**

To comply with the regulations and prefectoral orders in use.  
 Throwing out forbidden. Packaging must be well emptied

**14. TRANSPORT INFORMATION MEASURES**

**RID / ADR**

CLASS : 3  
 SUBSIDIARY RISK :  
 UN NUMBER : UN 1169  
 PACKING GROUP : III  
 TUNNEL CODE : (D/E)

**IMCO / IMDG**

CLASS : 3  
 SUBSIDIARY RISK :  
 UN NUMBER : UN 1169  
 PACKING GROUP : III  
 EmFS : F-E, S-D

**OACI / IATA**

CLASS : 3  
 SUBSIDIARY RISK :  
 UN NUMBER : UN 1169  
 PACKING GROUP : III  
 TRAVELLER AIRPLANE PACKING INSTRUCTION : 355  
 TRAVELLER AIRPLANE MAXIMUM QUANTITY : 60 L  
 CARGO AIRPLANE PACKING INSTRUCTION : 366  
 CARGO AIRPLANE MAXIMUM QUANTITY : 220 L

**Labelling according to RID / ADR, IMCO / IMDG, OACI / IATA**

SHIPPING NAME : UN 1169 EXTRACTS, AROMATIC, LIQUID

	<b>SAFETY DATA SHEET</b>	Date : 12/06/10
		Version : 4G
		Revision : 02/03/16
		Replace : 10/30/15
<b>Tea Tree Oil Australian Natural</b>		Page : 7/8



ENVIRONMENTALLY HAZARDOUS

## 15. REGULATORY INFORMATION

### LABELLING ACCORDING TO GHS REGULATION :

Physical hazard : FL 3  
 Health Hazards : AH 1,ATO 4,EDI 2A,SCI 2,SS 1  
 Environmental Hazards : EH-A 2,EH-C 2



WORDS OF WARNING:  
 PARTICULAR RISKS :

**DANGER**  
 H226 Flammable liquid and vapour.  
 H302 Harmful if swallowed.  
 H304 May be fatal if swallowed and enters airways.  
 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 STATEMENT  
 PREVENTION :  
 PRECAUTIONARY STATEMENT  
 RESPONSE :

P280 Wear protective gloves, protective clothing, eye protection, face protection.  
 P301+P312 IF SWALLOWED : Call a POISON CENTER or doctor if you feel unwell.  
 P303+P361+P353 IF ON SKIN (or hair) : Remove immediately all contaminated clothing. Rinse skin with water/shower.  
 P305+P351+P338 IF IN EYES : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 P331 Do NOT induce vomiting.

PRECAUTIONARY STATEMENT  
 DISPOSAL :  
 PARTICULAR MENTION :  
 OTHERS :  
 LIMITS OF EXPOSURE :

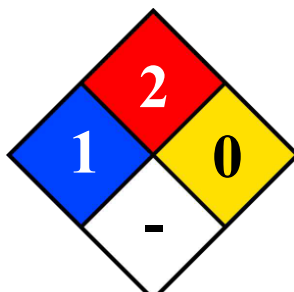
P501 Dispose of contents and/or container in accordance with local, regional, national and/or international regulation.  
 Not available.  
 Not available.  
 Not available.  
 Labelling for irritation based on test datas

	<b>SAFETY DATA SHEET</b>	Date : 12/06/10
		Version : 4G
		Revision : 02/03/16
		Replace : 10/30/15
<b>Tea Tree Oil Australian Natural</b>		Page : 8/8

**OTHER CLASSIFICATIONS :**

DOT CLASSIFICATION : -

NFPA CLASSIFICATION :



NIOSH : Not available  
 THRESHOLD LIMIT VALUE - TLV : Not available  
 OSHA PERMISSIBLE EXPOSURE LIMIT - PEL : Not available  
 IAS THE SUBSTANCE BEEN LISTED AS CARCINOGEN : Not available  
 SARA 313 : Not available

**16. OTHER INFORMATION**

**OTHER INVENTORIES**

Country	Nom inventaire	Datas	Number
AUSTRALIA	AICS	Listé	
EUROPE	COE	Listé	275n
CANADA	DSL	Listé	
TAIWAN	ECN	Listé	
JAPAN	ENCS	Listé	
CHINA	IESC	Listé	5102
SOUTH KOREA	KECI	Listé	KE-27296
NEW ZEALAND	NZIoC	Listé	
THE PHILIPPINES	PICCS	Listé	
USA	TSCA	Listé	

The content and format of this safety data sheet are in accordance with EC Regulation No. 1907/2006 of the European Parliament and Council

Respect safety measures usually applied during the production of perfumery products. This data sheet completes the technical use notice, but doesn't replace it. These information are based on our actual knowledge for the above mentioned product at the edition date of this data sheet. They are given in good faith. In any case user is not exempted to know and apply all texts which regulate this activity. He will take under his own responsibility the precautions for the utilisation of product he knows. Users should be aware of the other purposes than those for which it is concerned.