



SAFETY DATA SHEET

01. IDENTIFICATION

NAME OF PREPARATION OR SUBSTANCE: Tea Tree Oil - Australian
INCI NAME: *Melaleuca alternifolia*
USE OF THE SUBSTANCE/PREPARATION: Raw material for cosmetic products; cleaner
SUPPLIER NAME: Jedwards International, Inc.
SUPPLIER ADDRESS: 141 Campanelli Drive
Braintree, MA 02184 USA
TELEPHONE NUMBER: (617) 472-9300

02. HAZARD IDENTIFICATION

CLASSIFICATION:
Xn; R22: Harmful if swallowed
Xn; R65: Harmful: may cause lung damage if swallowed

Xi; R38: Irritating to skin
N; R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R43: May cause sensitization by skin contact
HAZARD SYMBOLS:
Xn: Harmful
N: Dangerous for the environment
R PHRASES:
22: Harmful if swallowed
38: Irritating to skin
43: May cause sensitization by skin contact
51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

65: Harmful: may cause lung damage if swallowed

03. COMPOSITION/INFORMATION ON INGREDIENTS

CHEMICAL CHARACTERIZATION: *Melaleuca alternifolia, ext.*
SUBSTANCE/PRODUCT IDENTIFICATION:
CAS No.: 85085-48-9 , 68647-73-4
EC No.: 285-377-1



04. FIRST AID MEASURES

GENERAL INFORMATION:

In case of persisting adverse effects, consult a physician. Remove contaminated clothing and shoes immediately, and launder thoroughly before reusing.

INHALATION:

Remove affected person from the immediate area. Ensure supply of fresh air.

SKIN CONTACT:

When in contact with the skin, clean with soap and water.

EYE CONTACT:

Separate eyelids, wash the eyes thoroughly with water (15min.). Seek medical assistance.

INGESTION:

Do not induce vomiting – aspiration hazard. Call in a physician immediately and show the Safety Data Sheet. Never give anything by mouth to an unconscious person.

05. FIRE FIGHTING MEASURES

SUITABLE EXTINGUISHING MEDIA:

Extinguishing powder, water spray jet, Alcohol-resistant foam.

EXTINGUISHING MEDIA THAT MUST NOT BE USED FOR SAFETY REASONS:
SPECIAL EXPOSURE HAZARDS ARISING FROM THE SUBSTANCE OR PREPARATION ITSELF, COMBUSTION PRODUCTS, RESULTING GASES:

Full water jet.

In the event of fire, the following can be released: Carbon dioxide (CO₂), Carbon monoxide (CO).

SPECIAL PROTECTIVE EQUIPMENT FOR FIREFIGHTERS:

Use self-contained breathing apparatus. Wear protective clothing.

OTHER INFORMATION:

Heat causes increase in pressure and risk of bursting. Cool endangered containers with water spray jet.

06. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS:

Refer to protective measures listed in sections 7 and 8. Ensure adequate ventilation. Keep away from sources of ignition. Avoid contact with skin, eyes and clothing.

ENVIRONMENTAL PRECAUTIONS:

Do not discharge into drains/surface water/ground water.

METHODS FOR CLEANING UP/TAKING UP:

Pick up with absorbent material (e.g., sand, sawdust, general-purpose binder). Send in suitable containers for recovery or disposal.



07. HANDLING & STORAGE

HANDLING:

ADVICE ON SAFE HANDLING:

Provide good ventilation of working area (local exhaust ventilation, if necessary). Product inherent handling risks must be minimized taking the appropriate measures for protection and preventive actions. The working process should be designed to rule out the release of hazardous substances or skin contact as much as possible by the state of the art.

ADVICE ON PROTECTION AGAINST FIRE AND EXPLOSION:

Keep away from sources of heat and ignition.

STORAGE:

REQUIREMENTS FOR STORAGE ROOMS AND VESSELS:

Store product in closed containers. Always keep in containers of same material as the original one.

ADVICE ON STORAGE ASSEMBLY:

Do not store together with: Oxidizing agents; Acids.

FURTHER INFORMATION ON STORAGE CONDITIONS:

Keep container tightly closed and dry in a cool, well-ventilated place. Protect from light. Protect from exposure to air/oxygen.

08. EXPOSURE CONTROLS/PERSONAL PROTECTION

EXPOSURE LIMIT VALUES:

None.

EXPOSURE CONTROLS:

PERSONAL PROTECTIVE EQUIPMENT: RESPIRATORY PROTECTION:

If workplace exposure limits are exceeded, a respiration protection approved for this particular job must be worn. In case of aerosol and mist formation, take appropriate measures for breathing protection in the event workplace threshold values are not specified.

HAND PROTECTION:

Sufficient protection is given wearing suitable protective gloves, checked according to i.e. EN 374, in the event of risk of skin contact with the product. Before use, the protective glove should be tested in any case for its specific work-station suitability (i.e. mechanical resistance, product compatibility and antistatic properties). Adhere to the manufacturer's instructions and information relating to the use, storage, case and



replacement of protective gloves. Protective gloves shall be replaced immediately when physically damaged or worn. Design operations thus to avoid permanent use of protective gloves.

EYE PROTECTION:

Safety glass with side protection shield (EN 166)

SKIN PROTECTION:

Normal chemical work clothing

GENERAL PROTECTIVE AND HYGIENE MEASURES:

Observe the usual precautions when handling chemicals. Do not eat, drink or smoke during work time. Keep away from foodstuffs and beverages. Wash hands before breaks and after work. Avoid contact with eyes and skin. Remove soiled or soaked clothing immediately. Do not inhale vapors.

09. PHYSICAL & CHEMICAL PROPERTIES

FORM:

Liquid

COLOR:

Colorless to slightly yellow

ODOR:

Characteristic

BOILING RANGE:

115-270°C

BOILING POINT:

approx. 176°C

FLASH POINT:

57-60°C

IGNITION TEMPERATURE:

72°C

DENSITY:

0.885-0.906 g/cm³ @ 20°C

SOLUBILITY IN WATER:

Insoluble

10. STABILITY & REACTIVITY

CONDITIONS TO AVOID:

Plastics may be corroded. Keep away from sources of ignition. Protect from exposure to air/oxygen.

MATERIALS TO AVOID:

Strong oxidizing agents; Acids.

HAZARDOUS DECOMPOSITION PRODUCTS:

No hazardous decomposition products known

THERMAL DECOMPOSTION:

No decomposition if used as prescribed.

OTHER INFORMATION:

Prolonged exposure to air will result in gradual resinification and deterioration.

11. TOXICOLOGICAL INFORMATION

ACUTE TOXICITY:

ACUTE ORAL TOXICITY:

LD50: 1900 mg/kg [rat] (Source: RTECS)

EXPERIENCE IN PRACTICE:

In the case of swallowing with subsequent vomiting, aspiration of the lungs can occur, which can lead to chemical pneumonia or asphyxiation. Possibility of sensitization through skin contact.



12. ECOLOGICAL INFORMATION

Ecological data is not available. Do not discharge product unmonitored into the environment.

13. DISPOSAL CONSIDERATIONS

PRODUCT: Allocation of a waste code number, according to the European Waste Catalogue, should be carried out in agreement with the regional waste disposal company.

PACKAGING: Residuals must be removed from packaging and when emptied completely disposed of in accordance with the regulations for waste removal. Incompletely emptied packaging must be disposed of in the form of disposal specified by the regional disposer.

14. TRANSPORT INFORMATION

TRANSPORT ADR/RIN/ADN:

CLASS:	3
CLASSIFICATION CODE:	F1
PACKING GROUP:	III
HAZARD IDENTIFICATION NUMBER:	30
UN NUMBER:	1169
TECHNICAL NAME:	EXTRACTS, AROMATIC, LIQUID
SPECIAL PROVISION:	640 640E
TUNNEL RESTRICTION CODE:	D/E
LABEL:	3

TRANSPORT IMDG:

CLASS:	3
PACKING GROUP:	III
UN NUMBER:	1169
TECHNICAL NAME:	EXTRACTS, AROMATIC, LIQUID
EmS:	F-E+S-D
LABEL:	3
MARINE POLLUTANT MARK:	Symbol "fish and tree"

TRANSPORT ICAO/IATA:

CLASS:	3
PACKING GROUP:	III
UN NUMBER:	1169
TECHNICAL NAME:	EXTRACTS, AROMATIC, LIQUID
LABEL:	3

15. REGULATORY INFORMATION

LABELING IN ACCORDANCE WITH EC DIRECTIVES:



THE PRODUCT IS CLASSIFIED AND LABELED IN ACCORDANCE WITH EC DIRECTIVE 67/548/EC.

LABELING IN ACCORDANCE WITH IFRA/IOFI/EFFA.
EC no. 285-377-1 (Melaleuca alternifolia, ext.)

HAZARD SYMBOLS:

Xn: Harmful
N: Dangerous for the environment

R PHRASES:

22: Harmful if swallowed
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43: May cause sensitization by skin contact
51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
65: Harmful: may cause lung damage if swallowed

S PHRASES:

24: Avoid contact with skin.
37: Wear suitable gloves.
61: Avoid release to the environment. Refer to special instructions/safety data sheets.
62: If swallowed, do not induce vomiting. Seek medical advice immediately and show this container or label.

COUNCIL DIRECTIVE 96/82/EC ON THE CONTROL OF MAJOR-ACCIDENT HAZARDS INVOLVING DANGEROUS SUBSTANCES:

REMARKS: Annex 1, part 2, category 9 b

16. OTHER INFORMATION

Essential oils must be diluted prior to use. It is the sole responsibility of the user to determine the method and amount of dilution required for safe use, which may vary depending on the nature of the intended use. Keep away from children and pregnant women.
Not for ingestion. Not for use in food applications.

SOURCES OF KEY DATA USED TO COMPILE THE DATA SHEET:

EC Directive 67/548/EC resp. 99/45/EC as amended in each case.
Regulation (EC) No 1907/2006 (REACH) as amended in each case.
EC Directives 2000/39/EC, 2006/15/EC as amended in each case.
National Threshold Limit Values of the corresponding countries as amended in each case.
Transport regulations according to ADR, RID, IMDG, IATA as amended in each case.

The information provided above is intended only as a guide to the appropriate precautionary handling of the material by properly trained personnel using this product. It is the responsibility of the customer and user to ensure it has in place provisions for the safe and proper handling of the material. Although Jedwards International, Inc. believes the above information to be accurate based on the information available to Jedwards, it is the responsibility of the customer and user of the material to perform its own investigation and due diligence prior to use to verify that the product purchased from Jedwards meets their quality requirements and is appropriate for the use to which the product is to be put. Use and purchase of this material is subject to Jedwards International, Inc. standard terms and conditions, which supersede any conflicting terms contained on Buyer's purchase order or any document or instrument supplied by Buyer.