



MATERIAL SAFETY DATA SHEET

GOANNA TEA TREE OIL

Page 1 of 5

Date of Issue: September 2007

STATEMENT OF HAZARDOUS NATURE

Hazardous according to criteria of Worksafe Australia

COMPANY DETAILS

Company: Herron Pharmaceuticals Pty Ltd
A.B.N. 52 010 481 366
Address: 17 Curzon Street Tennyson, Q 4105
Telephone Number: (07) 3212 1111
Emergency Telephone Number: () 131126 (Poisons Information)

IDENTIFICATION

Product Name: Goanna Tea Tree Oil
Other Names: Melaleuca alternifolia oil
Flammable Liquid N.O.S.
Manufacturer's Product Codes:
Goanna Tea Tree Oil 50ml, 100ml, 200ml HL018,HL043,HL711
Goanna Tea Tree Oil Bulk..... HL091B
UN Number: 1993
Dangerous Goods Class: 3
Packaging Group: II
Subsidiary Risk: None allocated
Hazchem Code: 2 or 3 [Y]
Poisons Schedule Number: None allocated
Use: Germicide & fungicide

Physical Description/Properties

Appearance: Clear free flowing liquid with a characteristic odour.

Pack Size:..... 50ml, 100ml, 200ml
Container Type:..... Round, clear glass bottle.
Boiling Point:..... Not determined
Vapour Pressure:..... Not determined
Density (@ 20°C):..... 0.88-0.92g/ml
Flashpoint (closed cup):..... 17°C
Flammability Limits:..... Not determined
Solubility in Water:.....

Other Properties: No data

Herron Pharmaceuticals Pty Ltd



MATERIAL SAFETY DATA SHEET

GOANNA TEA TREE OIL

Page 2 of 5

Ingredients

Chemical Name	CAS Number	Proportion
Isopropyl Alcohol43%w/w
Purified Water.....	33%w/w
Melaleuca Oil	68647-73-415%w/w
Polyoxyethylene 20 Sorbitan Mono Laurate	9005-64-59%w/w

HEALTH HAZARD INFORMATION

Health Effects *Acute:*

Swallowed:

Isopropyl alcohol may effect the central nervous system. Isopropyl alcohol may cause gastritis, haemorrhage, pain, nausea and vomiting. The lethal dose of isopropyl alcohol by mouth is about 250ml, however toxic symptoms may be produced by as little as 20ml.

Eye:

Isopropyl alcohol is a severe eye irritant - with permanent tissue damage.
Melaleuca oil causes short-term eye irritation.

Skin:

Application of isopropyl alcohol to the skin may cause dryness and irritation. There appears to be little absorption of isopropyl alcohol through intact skin. Isopropyl alcohol caused second- and third-degree chemical skin burns in 2 premature infants of very low birth weight.

**Crillet is essentially non-toxic: LD50>38mg/kg (rats)

Inhaled:

Isopropyl alcohol is an irritant to the respiratory system. Isopropyl alcohol vapour has been reported to cause coma.
Melaleuca oil may cause irritation.

Health Effects *Chronic:*

Melaleuca oil was not mutagenic by the Ames test (Altman 1990)

Skin:

Isopropyl alcohol may cause allergic eczema.



MATERIAL SAFETY DATA SHEET

GOANNA TEA TREE OIL

Page 3 of 5

First Aid

Swallowed:

Do NOT induce vomiting. Seek medical advice urgently. Show this MSDS to a medical practitioner.

Eye:

Flush with running water for 15 minutes, including under eyelids. If irritation persists obtain medical attention.

Skin:

Remove contaminated clothing, wash contact area with soap and water, if irritation persists seek medical advice.

Inhaled:

Remove to fresh air. Seek medical advice if breathing is difficult.

For further information, contact the Poisons Information Centre on 13 1126.

First Aid Facilities:

Provide an eyewash and washing facilities near where the material is handled and used.

Advice to Doctor:

Treat symptomatically.
Isopropyl alcohol - treat as typical alcohol. Ketoacidosis and ketonuria, from isopropyl alcohol ingestion, commonly occur due to the presence of the major metabolite, acetone, in the circulation.

PRECAUTIONS FOR USE

Exposure Standards:

Not determined. Avoid repeated or prolonged contact with the skin. Keep out of eyes. Do not ingest. Use with good ventilation. Sensitive individuals may develop an allergic response.

In Great Britain the recommended exposure limits of isopropyl alcohol are 400ppm (long-term); 500ppm (short-term). In the U.S. the permissible and recommended exposure limits are 980mg per m³ and 984mg per m³ respectively.

Engineering Controls:

Use only in a well ventilated area.



MATERIAL SAFETY DATA SHEET

GOANNA TEA TREE OIL

Page 4 of 5

Personal Protection:

Glove Type:

For prolonged use or for sensitive individual's use oil/solvent resistant gloves.

Eye Protection:

If exposure is likely wear chemical goggles.

Other:

Not applicable

Flammability:

Use in a well ventilated area.
Do not use close to ignition sources.

SAFE HANDLING INFORMATION

Storage and Transport:

Store in sealed containers in a cool place, below 30°C, away from sources of ignition, heat or direct sunlight. Transport under Class 3, Packaging Group II requirements.

Dangerous Goods Class: 3

Packaging Group: II

Subsidiary Risk: None allocated

Spills and Disposal:

Eliminate all possible sources of ignition. Restrict access to area until completion of clean up. Ensure clean up is conducted by trained personnel wearing appropriate protective equipment (chemical goggles and solvent/oil resistant gloves). Provide ventilation. Contain spilled material.

For small spills, wash with plenty of water

For large spills: Contain spill with an inert non-combustible absorbent material and place in approved containers. Dispose of in accordance with Local, State and Federal regulations.

Clean up final traces by scrubbing spill area with detergent and water

Fire/Explosion Hazard:

Dangerous Decomposition or Combustion Products:

When heated to decomposition produces acrid fumes and smoke. Combustion products may include carbon monoxide and carbon dioxide.



MATERIAL SAFETY DATA SHEET

GOANNA TEA TREE OIL	Page 5 of 5
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Fire Fighting Recommendations:

Types of Extinguisher/Fire-fighting Agents:
Water fog, carbon dioxide, foam, dry chemical.

Protective Clothing:
Fire fighters to wear breathing apparatus.

Reactivity:
No data.

Hazchem Code: 2 or 3 Y

OTHER INFORMATION:

Toxicity:
The acute oral toxicity of the essential oil of *Melaleuca alternifolia* in rats is 1.9-2.6 ml/kg.

CONTACT POINT:

Title:..... Quality Assurance Manager
Telephone number:..... (07) 3212 1111 8am-5pm AEST

Disclaimer:

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