

## Material Safety Data Sheet

### MANUKA (WILD)

#### 1. Product and Supplier Description

**Trade Name:** Manuka (WILD)

**INCI Name:** Leptospermum scoparium Branch/Leaf Oil

#### 2. Hazards Identification

**CLASSIFICATION (1999/45):** Xn; R65, R43. R52/53.

**CLASSIFICATION (EC 1272/2008)**

**Physical and Chemical Hazards** Not classified

**Human Health** Skin Sens. 1 – H317; Asp. Tox. 1 – H304

**Environment** Aquatic Chronic 3 – H412

**LABEL IN ACCORDANCE WITH (EC) NO. 1272/2008**



**SIGNAL WORD:** Danger

**CONTAINS:** ALPHA PINENE

HYDROCARBONS. OTHER

**HAZARD STATEMENTS:**

H304 May be fatal if swallowed and enters airways.

H317 May cause an allergic skin reaction.

H412 Harmful to aquatic life with long lasting effects.

### **PRECAUTIONARY STATEMENTS:**

P280 Wear protective gloves/protective clothing/eye protection/face protection.  
P501 Dispose of contents/container in accordance with local regulations. Dispose of contents/container in accordance with national regulations

### **SUPPLEMENTARY PRECAUTIONARY STATEMENTS:**

P272 Contaminated work clothing should not be allowed out of the workplace. P273 Avoid release to the environment.

P261 Avoid breathing vapour/spray.

P301+310 **IF SWALLOWED:** Immediately call a **POISON CENTRE** or doctor/physician if you feel unwell.

P302+352 **IF ON SKIN:** Wash with plenty of soap and water.

P303+361+353 **IF ON SKIN (or hair):** Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

P321 Specific treatment (see....on this label).

P331 Do NOT induce vomiting.

P332+313 If skin irritation occurs: Get medical advice/attention. P333+313

If skin irritation or rash occurs: Get medical advice/attention. P362 Take off contaminated clothing and wash before reuse.

P363 Wash contaminated clothing before reuse.

P405 Store locked up.

## **3. Composition and Ingredient Information**

**DEFINITION/BOTANICAL ORIGIN:** The volatile oil obtained by steam distillation of the leaves and terminal branches of *Leptospermum scoparium*, Myrtaceae.

**CAS-NO:** 223749-44-8

**Status:** Natural

**Additives:** None

**IFRA:** Not restricted

**EINECS:** N/A

**Application:** Aromatherapy, skin care and food industry etc. **Origin:** New Zealand

### **ALPHA PINENE 1-5%**

CAS NO: 80-56-8

Classification (EC 1272/2008)

Flam. Liq 3 – H226

Skin Irrit. 2 – H315

Skin Sens. 1 – H317

Asp. Tox 1 – H304

EC NO: 201-291-9

Classification (67/548/EEC)

Xn; R65

Xi; R38

R10, R43

### **BETA PINENE <1%**

CAS NO: 127-91-3

Classification (EC 1272/2008)

Flam. Liq 3 – H226

Skin Irrit. 2 – H315

Skin Sens. 1 – H317

Asp. Tox 1 – H304

EC NO: 204-872-5

Classification (67/548/EEC)

Xn; R65

Xi; R38

R10, R43

## HYDROCARBONS. OTHER 60 -100%

CAS NO: -

Classification (EC 1272/2008)

Asp. Tox 1 – H304

EC NO: -

Classification (67/548/EEC)

Xn; R65

## LIMONENE < 1%

CAS NO: 138-86-3

Classification (EC 1272/2008)

Flam. Liq 3 – H226

Skin Irrit. 2 – H315

Skin Sens. 1 – H317

Asp. Tox 1 – H304

Aquatic Acute 1 – H400

Aquatic Chronic 1 – H410

EC NO: 205-341-0

Classification (67/548/EEC)

Xn; R65

Xi; R38

N; R50/53

R10, R43

Full test for all R-Phrases and Hazard Statements are Displayed in Section

16 CAS Number: 223749-44-8

## 4. First Aid Measures

**INHALATION:** Remove from exposure site to fresh air. Keep at rest. Obtain medical attention.

**EYE CONTACT:** Rinse immediately with plenty of water for at least 15 minutes. Contact a doctor if symptoms persist.

**SKIN CONTACT:** Remove contaminated clothes. Wash thoroughly with soap & water, flush with plenty of water. If irritation persists seek medical advice.

**INGESTION:** Rinse mouth out with water. Seek medical advice **immediately**. **OTHER:**

When assessing action take Risk & Safety Phrases into account (Section 15).

## 5. Fire Fighting Measures

**EXTINGUISHING MEDIA RECOMMENDED:** Use CO<sup>2</sup>, Dry Powder or Foam type Extinguishers, spraying extinguishing media to base of flames. Do not use direct water jet on burning material.

**SPECIAL MEASURES:** Avoid vapour inhalation. Keep away from sources of ignition. Do not smoke. Wear positive pressure self-contained breathing apparatus & protective clothing.

**EXTINGUISHING PROCEDURES:** Closed containers may build up pressure when exposed to heat and should be cooled with water spray.

## 6. Measures in case of accidental release

**PERSONAL PRECAUTIONS:** Avoid inhalation & direct contact with skin & eyes. Use individual protective equipment (safety glasses, waterproof-boots, suitable protective clothing) in case of major spillages.

**ENVIRONMENTAL PRECAUTIONS:** Keep away from drains, soils surface & ground waters.

**CLEANING UP METHODS:** Remove all potential ignition sources. Contain spilled material. Cover with an inert.

**FOR SPILLAGES:** or non-combustible inorganic absorbent material, or sweep up and remove to an approved disposal container. Observe state, federal & local disposal regulations.

## 7. Handling and Storage

**PRECAUTIONS IN HANDLING:** Apply good manufacturing practice & industrial hygiene practices, ensuring proper ventilation. Observe good personal hygiene, and do not eat, drink or smoke whilst handling.

**STORAGE CONDITIONS:** Store in tightly closed original container, in a cool, dry & ventilated area away from heat sources & protected from light. Keep air contact to a minimum.

**FIRE PROTECTION:** Keep away from ignition sources & naked flames. Take precautions to avoid static discharges in working area.

## 8. Exposure Controls/Personal Protection

**RESPIRATORY PROTECTION:** Avoid breathing product vapour. Apply local ventilation where possible.

**VENTILATION:** Ensure good ventilation of working area.

**HAND PROTECTION:** Avoid all skin contact. Use chemically resistant gloves if required. **EYE PROTECTION:** Use safety glasses.

**WORK/HYGIENE PRACTICES:** Wash hands with soap & water after handling.

**PROTECTIVE EQUIPMENT:**



## 9. Physical and Chemical Properties

**INCI Name:** Leptospermum scoparium branch/leaf oil  
**CAS Number:** 223749-44-8

**Description:** A volatile oil obtained by steam distillation of the leaves and terminal branches of Leptospermum scoparium.

**Applications:** Widely used in the Food and Cosmetic Industry. **Origin:** New Zealand

### TYPICAL ANALYTICAL DETAILS:

**Appearance:** Slightly viscous clear liquid

**Colour:** Yellow

**Odour:** Characteristic, Aromatic

**Specific Gravity @ 20°C:** 0.950 -0.975

**Refractive Index @ 20°C:** 1.496 – 1.506

**Flash Point °C:** >95

**Triketones (% area by GC-FID analysis) Flavesone:** 3.0 – 8.0

**Leptospermone:** 10.0 – 20.0

**Iso-Leptospermone:** 2.0 – 7.0

**Storage:** In original tightly sealed packaging away from heat and light **Shelf-Life:** Recommend quality is checked after 12 months storage up to 2 years.

## 10. Stability and Reactivity

**REACTIVITY:** It presents no significant reactivity hazards, by itself or in contact with water. Avoid contact with strong acids, alkali or oxidising agents. Stable under normal conditions

**DECOMPOSITION:** Liable to cause smoke & acrid fumes during combustion: carbon monoxide, carbon dioxide & other non-identified organic compounds may be formed.

## 11. Toxicological Information

See Section 2.

## 12. Ecological Information

See Section 2.

## 13. Disposal Considerations

Avoid disposing into drainage systems and into the environment. Dispose of in accordance with local authority requirements.

## 14. Transport Information

**ROAD (ADR/RID):** n/a

**AIR (IATA/ICAO):** n/a

**SEA (IMDG):** n/a

## 15. Regulatory Information

### EU DIRECTIVES:

Regulation (EC) No 1907/2006 of the European Parliament and of the council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments.

### STATUTORY INSTRUMENTS:

The Chemicals (Hazard information and Packaging for Supply) Regulations 2009 (S.I. 2009 No. 716).

### APPROVED CODE OF PRACTICE:

Classification and Labelling of Substances and Preparations Dangerous for Supply.

### GUIDANCE NOTES:

Workplace Exposure Limits EH40

## 16. Other Information

**COSMETICS DIRECTIVE 7th AMENDMENT:** Restrictions may apply. A source of allergens (Please see declaration of allergens for this product). Check maximum usage levels for skin care products.

**SUITABLE PACKAGING:** Glass, Lacquer lined steel/tin, Aluminium, HPPE, & F/HDPE

**SHELF LIFE:** When stored within advised conditions, re-test after 12 months and then every 3 months up to a maximum shelf life of 24 months.

**RISK PHRASES IN FULL:**

R10 Flammable.

R38 Irritating to skin.

R43 May cause sensitization by skin contact.

R50/53 Very toxic to aquatic organisms, may cause long-term. Adverse effects in the aquatic environment.

R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R65 Harmful; may cause lung damage if swallowed.

**HAZARD STATEMENTS IN FULL:**

H226 Flammable liquid and vapour.

H304 May be fatal if swallowed and enters airways.

H315 Causes skin irritation.

H317 May cause an allergic reaction.

H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.

H412 Harmful to aquatic life with long lasting effects.

The information contained herein is accurate to the best of our knowledge from a variety of sources. No liability can be accepted arising out of the use, application or processing of this product. It is the users' responsibility to determine the safe conditions for use of this product.