

MATERIAL SAFETY DATA SHEET

1. PRODUCT IDENTIFICATION & COMPANY

PRODUCT NAME : Manuka Oil
BOTANICAL NAME : LEPTOSPERMUM SCOPARIUM
PRODUCT CODE : N/A
SUPPLIER : Manukatia NZ Limited
38 Russell Crescent
Western Heights
Rotorua 3015
New Zealand
Email address: Justin@jdsystems.co.nz
Phone No.: +64 7 349 2340

2. HAZARDS IDENTIFICATION

Xn Harmful

3. COMPOSITION / INFORMATION ON INGREDIENTS

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

CAS No: 23749-44-8 **Status:** Natural

CoE No: **FEMA:** **Additives:** none

FDA: **IFRA:** not restricted **Application:** Aromatherapy, skin care etc.

RIFM: **EINECS:** N/A **RTECS:**

INCI Name: Leptospermum Scoparium Oil

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: Use Carbon Dioxide, Dry Powder or Foam Extinguishers.

RECOMMENDED: 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. In case of fire Carbon monoxide and carbon dioxide may be produced. 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. ACCIDENTAL RELEASE MEASURES

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.

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

CLEANING UP METHODS FOR SPILLAGES: Remove all potential ignition sources. Contain spilled material. Cover with an inert or non-combustible inorganic absorbent material, or sweep up and remove to an approved disposal container. Observe state, federal & local disposal regulations.

7. HANDLING & 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.

9. PHYSICAL & CHEMICAL PROPERTIES

COLOUR:	Clear yellow to brownish yellow
APPEARANCE:	Slightly viscous oil
ODOUR:	Aromatic, typical, characteristic
RELATIVE DENSITY @ 20°C:	0.960 -0.990
REFRACTIVE INDEX @ 20°C:	1.496 -1.506
FLASH POINT °C:	95 -105
BOILING POINT °C:	200

10. STABILITY & REACTIVITY

REACTIVITY:	It presents no significant reactivity hazards, by itself or in contact with water. Avoid contact with strong acids, alkali or oxidizing agents.
DECOMPOSITION:	Liable to cause smoke & acrid fumes during combustion: carbon monoxide, carbon dioxide & other non-identified organic compounds may be formed.
CONDITIONS TO AVOID:	Avoid heat, flames, sunlight and other sources of ignition

11. TOXICOLOGICAL INFORMATION

Acute LD50 (orl rat):	1060mg/kg.
Dermal LD50 Rat:	>2000mg/kg

12. ECOLOGICAL INFORMATION

BIODEGRADABILITY:	Not readily biodegradable.
PRECAUTIONS:	Prevent surface contamination of soil, ground & surface water.

13. DISPOSAL CONSIDERATIONS

Avoid disposing into drainage systems and into the environment. Seek expert advice.

14. TRANSPORT REGULATIONS

Road (ADR/RID):	n/a
AIR (IATA):	n/a
SEA (IMDG):	n/a
CHIP:	See section 15

15. REGULATORY INFORMATION

HAZARDS:	Harmful
SYMBOLS:	Xn
RISK PHRASES:	R22 Harmful if swallowed R36/38 Irritating to eyes and skin
SAFETY PHRASES:	S24/25 Avoid contact with skin and eyes S37 Wear suitable gloves S46 If swallowed, seek medical advice immediately and show the container or label.

16. OTHER INFORMATION

Cosmetics Directive 7th Amendment: Restrictions may apply. A source of allergens. Check maximum usage levels for skin care products.

PACKAGING:

Type	Suitability
Glass	Yes
Lacquer Lined Steel/Tin	No
Aluminum	Yes
HPPE	No
F/HDPE	Yes
Other Plastic	No
Stainless Steel	Yes

SHELF LIFE:

In unopened containers: 3 Years from date of Manufacture

17. QC REQUIREMENTS

In-line with general product specification. Always satisfy suitability for specific application.

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