

# Material Safety Data Sheet (MSDS)

## Macadamia Oil

### 1. Identification of the Substance and Company

|                          |                                                             |
|--------------------------|-------------------------------------------------------------|
| <b>Product Name</b>      | Macadamia Oil                                               |
| <b>Botanical Name</b>    | Macadamia integrifolia                                      |
| <b>Product Use</b>       | Cosmetic, massage, and skincare applications                |
| <b>Company</b>           | Purefx                                                      |
| <b>Address</b>           | 92 Williams Street, Kaiapoi 7630, Christchurch, New Zealand |
| <b>Email</b>             | info@purefx.co.nz                                           |
| <b>Phone</b>             | +64 03 327 6638                                             |
| <b>Emergency Contact</b> | 111 (New Zealand Emergency Services)                        |

### 2. Composition/Information on Ingredients

|                             |               |
|-----------------------------|---------------|
| <b>Chemical Name</b>        | Macadamia Oil |
| <b>CAS Number</b>           | 129811-19-4   |
| <b>Purity</b>               | 100%          |
| <b>Hazardous Components</b> | None          |

### 3. Hazards Identification

**Hazard Classification:** Non-hazardous substance under New Zealand Hazardous Substances and New Organisms Act (HSNO) 1996.

**Potential Health Effects:**

- **Eye Contact:** May cause mild irritation.
- **Skin Contact:** Generally safe; may cause irritation in sensitive individuals.
- **Inhalation:** Not applicable under normal conditions.
- **Ingestion:** Non-toxic in small amounts; large amounts may cause gastrointestinal discomfort.

### 4. First Aid Measures

- **Eye Contact:** Rinse thoroughly with plenty of water for at least 15 minutes. Seek medical attention if irritation persists.
- **Skin Contact:** Wash with soap and water. Discontinue use if irritation occurs.
- **Inhalation:** Not applicable.

- **Ingestion:** Rinse mouth with water. Seek medical advice if large amounts are ingested or discomfort occurs.

## 5. Fire-Fighting Measures

- **Extinguishing Media:** Dry chemical, carbon dioxide, or foam.
- **Unsuitable Media:** Water may spread fire due to oil-based nature.
- **Specific Hazards:** May produce carbon oxides under combustion.
- **Protective Equipment:** Firefighters should wear self-contained breathing apparatus.

## 6. Accidental Release Measures

- **Personal Precautions:** Wear gloves to avoid skin contact. Ensure adequate ventilation.
- **Environmental Precautions:** Prevent entry into waterways or sewers.
- **Clean-Up Methods:** Absorb with inert material (e.g., sand, vermiculite) and dispose of in accordance with local regulations.

## 7. Handling and Storage

- **Handling:** Use in well-ventilated areas. Avoid contact with eyes.
- **Storage:** Store in a cool, dry place away from heat sources and direct sunlight. Keep containers tightly closed.

## 8. Exposure Controls/Personal Protection

- **Exposure Limits:** Not established for Macadamia Oil.
- **Personal Protective Equipment:**
  - **Eye Protection:** Safety glasses recommended during handling.
  - **Skin Protection:** Gloves recommended for prolonged contact.
  - **Respiratory Protection:** Not required under normal use.

## 9. Physical and Chemical Properties

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|                         |                                     |
|-------------------------|-------------------------------------|
| <b>Appearance</b>       | Clear, light yellow liquid          |
| <b>Colour</b>           | Very light yellow                   |
| <b>Odour</b>            | Characteristic, nutty               |
| <b>Specific Gravity</b> | 0.910 - 0.920 at 20°C               |
| <b>Flash Point</b>      | >200°C                              |
| <b>Solubility</b>       | Insoluble in water; soluble in oils |

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## 10. Stability and Reactivity

- **Stability:** Stable under normal conditions.
- **Conditions to Avoid:** Excessive heat, open flames.
- **Incompatible Materials:** Strong oxidizing agents.
- **Hazardous Decomposition Products:** Carbon oxides under combustion.

## 11. Toxicological Information

- **Acute Toxicity:** Non-toxic under normal use.
- **Skin Irritation:** May cause mild irritation in sensitive individuals.
- **Eye Irritation:** May cause mild irritation.
- **Sensitization:** Low risk; discontinue use if allergic reaction occurs.

## 12. Ecological Information

- **Ecotoxicity:** Low environmental impact; biodegradable.
- **Persistence:** Naturally degradable.
- **Mobility:** Insoluble in water; may float on water surfaces.

## 13. Disposal Considerations

Dispose of in accordance with New Zealand local authority regulations. Use licensed waste disposal services for large quantities.

## 14. Transport Information

- **UN Number:** Not applicable.
- **Shipping Name:** Not classified as dangerous goods under NZ Transport Regulations.
- **Transport Class:** Non-hazardous.

## 15. Regulatory Information

Complies with New Zealand Hazardous Substances and New Organisms Act (HSNO) 1996. Not classified as a hazardous substance. Complies with Ministry for Primary Industries (MPI) requirements for cosmetic and food contact use where applicable.

## 16. Other Information

- **Date of Issue:** 26 July 2025
- **Disclaimer:** This MSDS is provided based on available information and is intended for general guidance. Purefx assumes no liability for its use.