

## Safety Data Sheet – EOC253 Douglas Fir NZ Essential Oil

### 1. Identification

**Product Name:** 100% NZ Douglas Fir Oil (Pseudotsuga menziesii)

**UN Number:** 1272

**Recommended Use:** Raw ingredient

**Proper Shipping Name:** PINE OIL

#### Manufacturer:

**Name:** Port Blakely NZ Essential Oils

**Phone:** 03 688 2173

**Address:** 122 Hilton Highway, Washdyke Timaru

**Email:**

**Website:** <https://portblakelynzeo.com/>

#### Distributor:

**Name:** The Essential Oil Company

**Phone:** (888) 541-9089

**Address:** 2150 Industrial Drive, Niles, MI 49120

**Email:** info@essentialoil.com

**Website:** www.essentialoil.com

**Emergency Contacts:** CHEMTREC - USA: 800-424-9300 International: +1 703-527-3887 /  
1-800-424-9300 CCN: 1025270

### 2. Hazard Identification

#### **Statement of Hazardous Nature:**

This substance is classified as a physical, health or environmental hazard according to the Hazardous Substances (Hazard Classification) Notice 2020.

Classified as a Dangerous Good according to NZS 5433.

#### **Hazard Classification:**

Flammable Liquids Category 3

Skin Irritant Category 2

Eye Irritant Category 2

Aquatic Environment Chronic Category 3



#### **Hazard Statements: Warning**

Flammable liquid and vapour

Causes skin irritation

Causes serious eye irritation

Harmful to aquatic life with long lasting effects.

#### **Prevention Statements:**

Keep away from heat/sparks/open flames and hot surfaces. No smoking

Keep container tightly closed.

Ground/bond container and receiving equipment.

Use explosion proof electrical equipment / ventilation and lighting.

Take precautionary measures against static discharge.

Wear protective gloves and eye/face protection.

Wash hands thoroughly after handling.

Contaminated clothing should not be allowed out of the work place.

### 3. Composition & Information on Ingredients

| Ingredient                                             | CAS Number | Concentration (%) |
|--------------------------------------------------------|------------|-------------------|
| Pine Oil – 100% NZ Douglas Fir (Pseudotsuga menziesii) | 8050-89-3  | 100               |

### 4. First Aid Measures

NEW ZEALAND POISONS & HAZARDOUS  
CHEMICALS NATIONAL INFORMATION CENTRE

PHONE 0800 POISON – 0800 764 766

**Skin:** IF ON SKIN (or hair) Remove/take off immediately all contaminated clothing. Wash with plenty of soap and water. If skin irritation occurs get medical attention. Wash contaminated clothing before reuse.

**Eyes:** IF IN EYES Rinse cautiously with water for several minutes. Remove contact lenses, if present

and easy to do so. Continue rinsing. If eye irritation persists get medical attention.

**Ingestion:** IF SWALLOWED Do not induce vomiting. If you feel unwell call a POISON CENTRE/Doctor.

**Inhalation:** IF INHALED Move to fresh air and keep at rest in a position comfortable for breathing until recovered. If exposed or concerned: get medical advice/attention.

**Advice to Doctor:** Treat symptomatically.

---

## 5. Fire Fighting Measures

**Flammability:** Flammable liquid and vapour.

**Extinguishing media:** Use foam/dry power or CO<sub>2</sub> extinguisher as appropriate for surrounding materials. Prevent contamination of drains or water ways.

**Hazardous Combustion products:** Carbon and nitrogen oxides may be formed.

**Fire Fighting Instructions:** Containers may explode when heated. Vapours may form explosive mixtures with air. If safe to do so, move undamaged containers from fire area. Cool container with water spray until well after fire is out.

---

## 6. Accidental Release Measures

**Spills:** Absorb spill with sand or similar. Collect and place in sealable containers for disposal. Prevent spill from entering storm water and sewer drains and watercourses.

---

## 7. Handling & Storage

### Safe Handling

Before use carefully read the product label.  
Use of safe work practices are recommended to avoid eye or skin contact. Observe good personal hygiene, including washing hands before eating.  
Prohibit eating, drinking and smoking in work areas.  
Ground/bond container and receiving equipment/  
Use explosion proof electrical equipment  
/ventilation/lighting  
Take precautionary measures against static discharge  
Wear protective gloves and eye/face protection.  
Wash hands thoroughly after handling.

### Storage

Store in a well ventilated place. Keep cool.  
Ensure containers are labelled, protected from physical damage and sealed when not in use.

Certified Handler: Not required

---

## 8. Exposure Controls & Personal Protection

### Exposure Standards

No exposure limits set for this product or its ingredients in the Workplace exposure standards and biological indices (12th Edition, November 2020, WorkSafe).

### Engineering Controls

**Ventilation:** Ensure adequate ventilation – optimise natural airflows. Use explosion proof electrical equipment  
/ventilation/lighting

### Personal Protection (PPE)

Wear protective gloves and eye/face protection.  
Contaminated work clothing should not be allowed out of the workplace.

**Eyes/Face:** Splash resistant safety glasses with side shields or safety goggles (AS/NZS 1337)

**Skin:** Use butyl rubber or nitrile rubber gloves. The glove material must be impermeable and resistance to the product/ the substance/ the preparation (in accordance with AS/NZS 2161). Consult your glove supplier for specific product information.

**Respiratory:** Not required under the recommended storage and handling conditions. In case of inadequate ventilation, wear an approved respirator with organic solvent vapour filters. Respiratory protection should comply with AS/NZS 1716 and maintained with AS/NZS 1715.

---

## 9. Physical & Chemical Properties

**Appearance:** clear -pale yellow oil

**Odour:** Pine

**Odour threshold:** Not available

**pH:** Not available

**Melting point:** Not available

**Boiling point:** Not available

**Flash point:** 46°C (ASTM D93A)

**Flammability:** Flammable liquid and vapour

---

**Lower Flammability Limit (LEL):** Not available  
**Upper Flammability Limit (UEL):** Not available  
**Vapour pressure:** Not available  
**Vapour density:** Not available  
**Relative density:** 0.95 g/cm<sup>3</sup> at 25 °C (approximate)  
**Solubility (water):** Not soluble  
**Partition coefficient: n-octanol/water:** Not available

**Autoignition temp:** Not available  
**Decomposition temp:** Not available  
**Viscosity (kinematic):** Not available

---

## 10. Stability & Reactivity

**Stability:** Product is considered stable  
**Reactivity:** Hazardous polymerisation will not occur.  
**Conditions to avoid:** Heat, sparks and flames. Avoid high temperatures.  
**Incompatible Materials:** Oxidising agents.

**Hazardous decomposition products:** Carbon and nitrogen oxides may be formed.

---

## 11. Toxicological Information

### Health Effects / Symptoms of Exposure

#### **Acute Exposure:**

**Summary:** Product causes skin and eye irritation.  
**Skin:** Causes irritation. May cause or inflammation or irritation of pre-existing skin conditions.  
**Eyes:** Causes serious eye irritation.  
**Ingestion:** May cause gastrointestinal irritation and upset.  
**Inhalation:** May cause respiratory irritation in susceptible people.  
**Aspiration Hazard:** Not determined.

#### **Chronic Exposure:**

**Summary:** No data available.  
**Respiratory or Skin sensitisation:** Classification not assigned  
**Mutagenicity:** Classification not assigned  
**Carcinogenicity:** Classification not assigned  
**Reproductive Toxicity:** Classification not assigned  
**Specific Target Organ Toxicity (STOT):** Classification not assigned.

### Toxicological Data

No data available

---

## 12. Ecological Information

Harmful to aquatic life with long lasting effects.  
**Persistence in environment:** No data available  
**Biodegradability:** No data available

**Mobility:** No data available

### Ecotoxicological Data

No data available

---

## 13. Disposal Considerations

Product is hazardous. Do not allow into drains, sewers or watercourses. Bulk or contaminated product may be disposed of through an approved hazardous waste contractor. Disposal waste contractors must comply with the New Zealand Hazardous Substances (Disposal) Notice 2017. Small quantities may be disposed of through normal household / commercial waste removal facilities. Containers may only be recycled if clean and free of residue so as to be non-hazardous.

---

## 14. Transport Information

Classified as a Dangerous Good according to NZS 5433:2007

**Proper Shipping Name:** PINE OIL  
**UN Number:** 1272  
**DG Class:** 3  
**Subsidiary Risk:** None

**Packing Group:** III  
**Marine Pollutant:** No  
**IATA Class:** 3 PGIII

---

## 15. Regulatory Information

### HSNO Approval

All ingredients listed in the NZIoC.

**HSNO Group Standard/Approval Number :** Additives, Process Chemicals and Raw Materials (Flammable) Group Standard 2020 HSR002495

---

## 16. Other Information

### **Abbreviations / Terminology:**

|             |                                                                      |
|-------------|----------------------------------------------------------------------|
| AS/NZS      | Joint Australian New Zealand Standard                                |
| AS/NZS 1337 | Personal eye-protection                                              |
| AS/NZS 1715 | Selection, use and maintenance of respiratory protective equipment   |
| AS/NZS 1716 | Respiratory protective devices                                       |
| AS/NZS 2161 | Occupational protective gloves                                       |
| ASTM        | American Society for Testing and Materials (ASTM International)      |
| ASTM D93A   | Flash point by Pensky-Martens Closed Cup Tester Procedure A          |
| CAS#        | Chemical Abstract Service number (a unique identifier for chemicals) |
| HSNO        | (New Zealand) Hazardous Substances and New Organisms Act             |
| IATA        | International Air Transport Association                              |
| NZIoC       | New Zealand Inventory of Chemicals                                   |
| NZS 5433    | Transport of Dangerous Goods on Land                                 |
| WES         | Workplace Exposure Standard                                          |

Prepared with reference to:

- *Hazardous Substances (Safety Data Sheets) Notice 2017* published by Environmental Protection Authority, New Zealand.

**Current Version:** 7 November 2022

**Revision Information:** SDS may be revised from time to time, please ensure you have a current copy.

This revision: Updated CAS number to specific species oil. Added IATA class and PG on client request.

Previous revision dated: 24 November 2021

### **Disclaimer:**

This safety data sheet attempts to describe as accurately as possible the potential exposures associated with normal use of the product described herein. Health and safety precautions in the data sheet may not be adequate for all individuals and/or situations. Users have the responsibility to evaluate and use this product safely and to comply with all applicable laws and regulations.

Whilst the information contained in this document is based on data, which, to the best of our knowledge, was accurate and reliable at the time of preparation, no warranty or responsibility can be accepted by us for errors and omissions. The provision of this information should not be construed as a recommendation to use any of our products in violation of any patent rights or in breach of any statute or regulation. Users are advised to make their own determination as to the suitability of this information in relation to their particular purposes and specific circumstances. Since the information contained in this document may be applied under conditions beyond our control, no responsibility can be accepted by us for any loss or damage caused by any person acting or refraining from action as a result of this information.

--END OF SDS

---