

Safety Data Sheet – 100% NZ Douglas Fir 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://portblakelynzneo.com/>

Emergency Contacts: Emergency Services (Fire, Ambulance, Police) – Dial 111
National Poisons Information Centre – 0800 764 766 (0800 POISON)

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 CO₂ 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/cm³ 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.

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