



***Make your space,
a healthy place.***

OUR
COMMON
FUTURE

FOREVERBREATHE™ EXTERIOR OIL
TECHNICAL INFORMATION



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Preparation: First & Second Coats Uncoated Timber and Second Coat on Factory Coated Timber

12 - 25 degrees Celsius is the target temperature away from direct sunlight when applying Foreverbreathe Exterior Oil. The objective is to coat the timber evenly without it drying too rapidly. Rapid drying can lead to colour variations. The surface must be dry, clean and free of dust. Timber moisture content should be no more than 16%.

Uncoated Timber

Step 1: Mix Foreverbreathe Exterior Oil thoroughly by shaking container to allow oil and pigment to mix and ensure no separation.

Step 2: Lay coated timber face side down on bearers or raised platforms away from contact with ground and away from direct sunlight with good ventilation. Timber must be separated to ensure Foreverbreathe Exterior Oil can be applied to edges.

Step 3: Apply Foreverbreathe Exterior Oil using a roller or brush. Finishing Kits are available at Health Based Building:

<https://www.healthbasedbuilding.com/coatings/foreverbreathe-exterior-oil-application-kit>

Step 4: Leave to dry for no less than 1 hour before duplicating step 3 to apply Foreverbreathe Exterior Oil to the face of the timber. Ensure excess oil is not left to pool on top face as this may establish colour variations. Allow to dry for no less than one hour.

Step 5: The timber can now be installed with a second and third coat applied, or a second coat applied before installation repeating step 4 and third coat applied after installation. **NOTE:** Ensure cut ends of timber are coated during the installation process.

Factory Coated Timber

Where factory coated timber is involved a final coat is required after installation.

Clean Up:

White spirit can be used to clean tools etc. Safety Instructions: Keep out of reach of children. Do not pour oil residue into the sewer. Let the remnants dry out and dispose of with your domestic rubbish collection.

WARNING: DO NOT LEAVE OIL COATED PRODUCT IN A CRUMPLED OR COMPRESSED STATE AS SELF COMBUSTION CAN OCCUR

Maintenance & Re-Coating:

Cleaning and re-coating for Earthen and Earthen Plus Cladding & Decking including exposed ends and edges should be every 2-3 years to maintain decorative appearance. Cleaning only can be within a shorter period if required. Prepare for re-coating using a soft bristle brush or broom and low-pressure water system to remove dust particulate etc. If mould spore is present Health Based Building mould killer can be applied after cleaning. Proceed to coat using instructions above

MATERIAL SAFETY DATA SHEET

1. Identification Of The Material & Supplier

Product Name: ForeverBreathe Exterior Oil

Other Names(s) :

Chemical Characterization:

Mixture of binding agents based on plant oils, wood rosins, natural waxes, metal oxide pigments and dearomatized hydrocarbons.

Use or Description:

Coating exterior cladding and timberwork

Suppliers Name: Natural House Company.

Street Address:

9 Trewavas Street,
Motueka, 7120, New Zealand.

Telephone: 0800 11 20 30

Web: www.naturalhouse.co.nz

Emergency Telephone: 0275 5450855

National Poisons & Hazardous Chemicals

Information Centre: 0800 POISON (0800 764 766)

NZ Emergency Services: Dial 111 (if in doubt)

2. Hazards Identification

Hazard Classification:

6.1E - Substance that may be harmful if swallowed and enters airways.

6.3B - Substance that may cause mild skin irritation.

Hazard statement codes:

H304 May be harmful if swallowed and enters airways.

H316 Causes mild skin irritation.

Precautionary statement codes - prevention:

P101 If medical advice is needed, have product container or label at hand.

P102 Keep out of the reach of children.

P103 Read label before use.

P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

Precautionary statement codes - Response

P314 Get medical advice/attention if you feel unwell.

P332 + P313 If skin irritation occurs: Get medical advice/attention.

P370+P378 In case of fire: Use foam, carbon dioxide or dry chemical.

3. Composition / Information On Ingredients

Potentially Hazardous Ingredients	% by weight (approx)	TLV (TWA) mg/m ³ ppm	STEL (TWA) mg/m ³ ppm	Cas No.
Alkanes	45-55	1200	171	90622-58-5
Zirconium Drier	0.1-1	100		94581-21-2
Zinc Drier	0.1-1	100		84418-50-8
Manganese Drier	0.1-1	100		37449-19-7

4. First Aid Measures

Inhalation Move the victim to fresh air immediately. Begin artificial respiration if breathing has stopped.

Skin Contact If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water.

Eye Contact Hold eyelids and flush the eye continuously with running water. Continue flushing for at least 15 minutes. Get medical assistance. if irritation persists.

Ingestion If swallowed, do not induce vomiting. Give a glass of water if person is conscious. Begin artificial respiration if the victim is not breathing. Use mouth to nose rather than mouth to mouth. Obtain medical attention.

Health Hazard Information: Treat According to symptoms. Gastric lavage may be indicated if ingested. Do not wait for symptoms to develop. General measures should be taken to control acidosis and maintain urine output.

5. Fire Fighting Measures

Extinguishing Media to be used:

Dry Chemical
Alcohol Foam

Special Fire Fighting Procedures

Use water to keep fire exposed containers cool. Do not use a heavy water stream, in order to avoid the fire to extend. If a leak or spill has not ignited, use water spray to disperse the vapours and to protect personnel attempting to stop leak. Prevent extinguishing media from escaping to drains and waterways.

Unusual Fire and Explosion Hazards

Vapour density heavier than air. This product is combustible.

6. Accidental Release Measures

Spill and Leak Procedure

Eliminate every possible source of ignition. Avoid breathing vapour and contact with skin, eyes and clothing. Wear recommended personal protective equipment.

Shut off leaks if without risks.

If Material Is Released Or Spilled: Absorb on fire retardant treated sawdust, diatomaceous earth, etc.

Prevent entry of product into public water, sewers, or soil.

Shovel up and dispose of at appropriate waste disposal facility in accordance with current applicable laws and regulations, and product characteristics at time of disposal.

7. Handling & Storage

Handling

Avoid prolonged repeated skin contact. Avoid contact with eyes. Wear safety glasses. Avoid inhalation of vapours or mists.

Use in well ventilated area away from all ignition sources. Take special care to avoid static electric discharge.

Keep container closed.

Storage

Store in a cool area. Do not pressurise, cut, heat or weld containers- residual vapours are flammable.

This product is combustible and will fuel a fire in progress.

8. Exposure Control / Personal Protection

Recommended Personal Protective Equipment to be worn during use of product:

Protective Overalls

Synthetic Apron

Safety Glasses

Splash Goggles

Dust & Vapour Respirator

Gloves

Boots

9. Physical And Chemical Properties

Appearance and Odour

Low viscosity liquid in various colours with a solvent odour

Density 0.800

Boiling Range, °C 195 - 203

Viscosity N/A

Flash Point° 63

Evaporation Rate (BuAc=100) NE

Vapour Pressure, mm Hg at 20° 0.069

Vapour Density (Air=1) >1.0

% Volatile Matter (by weight) NE

Solubility in Water Negligible

Melting Point/Freezing Point, °C NA

Aromatics, % NE

Aniline Point, °C (Mixed)

% Volatile Matter, VOC's (by weight) 65g/Litre

Colour Various

Refractive Index, @ 20° NE

Residue On Evaporation, mg/100ml NE

pH NA

Flammability Limit, %vol

Lower (LEL)	Upper (UEL)	Auto Ignition Temperature, °C
0.7	5.4	365

NA = Not Applicable, NE = Not Established,

NR = Not Regulated Against D = Decomposes

10. Stability And Reactivity

Reactivity Data

Stable at room temperature and pressure.
Avoid sources of heat and ignition, open flames.

Hazardous Decomposition By products

Carbon dioxide and carbon monoxide.

Hazardous Polymerisation

Will Not Occur

11. Toxicological Information

Acute Effects of Overexposure

Ingestion

Small amounts of liquid aspirated into the lungs during ingestion, or from vomiting, may cause chemical pneumonitis, or pulmonary oedema. Ingesting large amounts of this product will result in headaches, nausea, dizziness and tracheal burning.

Skin Contact

This product is mildly irritating to the skin with prolonged exposure. It may result in dryness and cracking of the skin.

Inhalation

Vapour concentrations above recommended exposure levels are irritating to the nose and throat. The inhalation of this product in large quantities will yield moderate discomfort. Over exposure may be evident through symptoms of dizziness, nausea, headaches and other central nervous system effects.

Eye Contact

This product may be mildly irritating to the eyes, but will not permanently damage the eye tissue.

Mutagenic Effects None

Reproductive Effects None

Chronic Effects No chronic health data is available for this product.

12. Ecological Information

Not identified as being harmful to aquatic life.

13. Disposal Considerations

This product can degrade rapidly in air. Expected to be removed in wastewater treatment. Based upon data for similar components or estimated data, this product is expected to be biodegradable according to OECD guidelines.

14. Transport Information

Land Transport ADR/RID

UN No: Not regulated **Non DG**

Technical name: Natural Wood Oil

Marine Transport IMDG/GGV

UN No: Not regulated **Non DG**

Technical name: Natural Wood Oil

Air Transport ICA/IATA

UN No: Not regulated **Non DG**

Technical name: Natural Wood Oil

15. Regulatory Information

This product is not classified as dangerous goods.

16. Other Information

IF PRINTED THIS MSDS SHEET IS UNCONTROLLED.

For advice, contact National Poison Centre (Phone New Zealand: 0800 764 766) or a doctor.

Natural House Company urges each customer or recipient of this MSDS to study it carefully to become aware of and the hazards associated with the product.

The reader should consider consulting reference works or individuals who are experts in ventilation, toxicology, and fire prevention, as necessary or appropriate to use and understand the data contained in this MSDS. To promote safe handling, each customer or recipient should:

- (1) notify its employees, agents, contractors and others whom it knows or believes will use this material or the information in this MSDS and any other information regarding hazards of safety;
- (2) furnish this same information to each of its customers for the product; and
- (3) request its customers to notify their employees, customers, and other users of the product of this information.

NOTE: The information and recommendations contained in this data sheet have been compiled from sources believed to be reliable and represent the best current opinion on the subject. No warranty, guarantee or representation is made by the company as to the absolute correctness or sufficiency of any representation contained in this data sheet and the company assumes no responsibility in connection therewith. Nor can it be assumed that all acceptable safety measures are contained in this data sheet or that other additional measures may not be required under particular or exceptional circumstances or conditions.