

1.0 DESCRIPTION

Active Constituent:	20g/kg Copper (Cu) present as copper naphthenate in mineral oil. Naphthenic acid value 230 average (range 170 - 250).
Appearance & Odour:	Dark green to black liquid with an oily odour
Density:	0.95 kg/l @ 20°C
Viscosity:	High (>25,000 cp)
Flash Point:	>180°C (Abel Closed Cup)

2.0 FUNCTION

2.1 General

CN Timber Oil is a general purpose timber preservative for exterior out of ground contact applications. It is an excellent treatment against fungal decay and is most suited for use with untreated hardwoods in applications like decks, fences, landscaping, wharves, bridges and other engineering structures.

2.2 Mode of Action

The non volatile oil base carrying the copper naphthenate penetrates by creeping into checks and cracks in the timber surface. The copper component bonds to the cellulose structure of the timber and the oils dry on exposure to sunlight and air. The end result is that the product gives the timber resistance to weathering and protection against biological degrade.

3.0 DIRECTIONS FOR USE

3.1 General

CN Timber Oil can be applied by brush, roller or spray. For exterior applications two coats are generally recommended with particular attention to endgrain, joints and interfaces (also see CN Timber Protective Emulsion). Clean up with mineral turpentine.

3.2 Timber surface preparation

New timber should be reasonably well seasoned before application. This is particularly important with naturally oily timbers such as Tallow Wood and Jarrah. Dressed timbers when new, should be allowed to weather for a few weeks prior to application. Thinning the product with mineral spirits or kerosene may also improve absorption and drying speed in these cases. For old timbers and remedial treatment it is essential that any decayed and weathered wood or old paint be removed prior to application.

3.3 Application

Apply moderately as excess product will not absorb readily in most timbers. Coverage will be generally 6 - 8 square metres per litre.

3.4 After Treatment

Timber coated with CN Timber Oil will initially be a strong dark green colour. With hardwoods this colour will change to rich variable brown tones within a week. This is due to a reaction of the preservative with hemicellulose which is usually abundant in hardwoods. Softwoods with their lower hemicellulose content tend to remain an olive green colour which may weather eventually to light brown. Colour development is dependent on the type of timber and will be much less pronounced on heavily weathered surfaces. Drying time may vary considerably with moisture content of the timber and local drying conditions. With dry timber and fine weather, drying will take 2 - 3 days. This may be considerably longer for the second coat or with unseasoned timber or in cool weather. If possible wait at least one week before applying additional coats. Absorption and performance of the product will generally be better on rough sawn rather than dressed timbers.

3.5 Reapplication

Generally the product should be reapplied after 2-3 years. This may be shorter or longer depending on the severity of local conditions. The preservative value of the product will persist long after much of the original colour has apparently weathered away. As the treatment is a penetrating oil type, reapplication is easy because the new coat can go directly over the old without additional preparation.

4.0 SAFETY AND HANDLING

4.1 Painting and Staining

Painting over timber treated with CN Timber Oil is not generally recommended. If painting is necessary allow at least 3 weeks drying. The surface should be dry and free of any oiliness. Use only oil-based primers and paints and avoid light colours as they may be discoloured by the copper naphthenate.

4.2 Metals, Fasteners and Others

CN Timber Oil is not corrosive to mild steel, galvanised or other metals commonly used for timber fasteners and connections. In all cases for exterior timber work, galvanised nails and plates are recommended.

4.3 General

Copper naphthenate is well recognised as a safe and effective timber preservative. For personal hygiene it is recommended that the following precautions be taken. A Material Safety Data Sheet is available on request for further information.

4.4 Handling the product

Oil resistant gloves should be worn when using the product. Excessive contact with the product can cause dryness and mild irritation to the skin. Wash hands with soap and water after use.

Eye protection should be used when there is a risk of spraying or splashing of the product (ie: pumping, working overhead). Contact with the eyes may cause moderate to severe irritation. If in the eyes, hold the eyes open and wash with plenty of water for at least 15 minutes and see a doctor.

The product uses very low volatility oils but care should be taken to avoid breathing any spray or mist resulting from application (ie: high pressure pumps). If swallowed and more than 15 minutes from a hospital, induce vomiting using saline solution.

4.5 Environmental Considerations

Avoid contamination of waterways and sewers as the product will form an oil pollution hazard. The product is toxic to fish and wildlife. Do not pour the product down drains, sewers or into streams, dams, ponds or other waterways.

5.0 TRANSPORT, STORAGE AND DISPOSAL

5.1 Storage

Store the product in the original closed container in a secure area and if possible out of direct sunlight.

5.2 Transport

This product is exempt from dangerous goods classification.

6.0 PACKAGING

20 litre drum

200 litre drum

Other packaging options can be discussed on application.