

CELCURE® MC-500

Technical Data Sheet
TDS 2155

Wood preservative for industrial vacuum pressure treatment

DESCRIPTION

CELCURE* MC-500 is a water-based wood preservative which contains a copper-based fungicide, and an organic co-biocide (a quaternary ammonium compound).

Celcure MC-500 preserved wood is protected against wood decaying fungi and wood destroying insects.

Celcure MC-500 is supplied as two liquid concentrates: Celcure MC-500A and Celcure MC-500B. Treating solution is obtained by automated mixing of the two concentrates with water. Treating solution is applied to timber in an industrial, controlled, treatment process using vacuum pressure impregnation

RECOMMENDATIONS FOR USE

Celcure MC-500 is for use only as a wood preservative.

Celcure MC-500A and Celcure MC-500B must be agitated before dilution with water to obtain a Treating Solution with a concentration between 1% and 10% m/m, according to the treatment specification

Mixing of the product from the IBC should use an automated dosing system. This requires minimal operator involvement and reduces exposure of the operator to the product. Celcure MC-500 A concentrate requires additional occasional agitation. Information on the use of the system can be obtained from Koppers.

PACKAGING and STORAGE

Supplied in IBC and bulk supply. Store in cool, well-ventilated area. Protect from frost. Keep container tightly closed. Avoid direct contact with the substance. Ensure there is sufficient ventilation of the area. Do not handle in a confined space. Avoid the formation or spread of mists in the air. Must only be kept in original packaging. Avoid release to the environment.

DISPOSAL

Dispose of unused product and empty containers in accordance with local and national regulations.

CELCURE MC-500 A:

PROPERTIES

Colour: Celcure MC-500 A is Green.
Density (g/cm³): 1.15 - 1.25 g/cm³ @ 20°C.
Odour: Characteristic.
pH: 5 - 6

PRECAUTIONS

The handling and safety precautions shown on the Celcure MC-500A label must be understood and followed at all times. Use only as described on the label.

Care must be taken to avoid exposure. Harmful by inhalation and if swallowed. Do not breathe vapour. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. After contact with skin, wash immediately with plenty of water. Very toxic to aquatic organisms

Wear suitable protective clothing, gloves and eye/face protection when using the product and during maintenance of treatment equipment.

See Celcure MC-500A Safety Data Sheet for further information.

CELCURE MC-500B:

PROPERTIES

Colour: Celcure MC-500B is pale yellow.
Density (g/cm³): 0.98 at 20 °C.
Odour: Barely perceptible odour.
pH: 5.0 – 7.0

PRECAUTIONS

The handling and safety precautions shown on the Celcure MC-500 B label must be understood and followed at all times. Use only as described on the label.

Care must be taken to avoid exposure. Harmful if swallowed. Causes burns. Very toxic to aquatic organisms. Avoid contact with skin and eyes.

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. After contact with skin, wash immediately with plenty of water.



FM 01724



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Wear suitable protective clothing, gloves and eye/face protection when using the product and during maintenance of treatment equipment. In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible)

See Celcure MC-500B Safety Data Sheet for further information.

CELcure MC-500 TREATING SOLUTION

DESCRIPTION

Celcure MC-500 Treating Solution is a dilution with water of Celcure MC-500A and Celcure MC-500B liquid concentrates. The treating solution is applied to timber in a controlled treatment process using vacuum pressure impregnation.

Storage tanks containing the treating solution require agitation, Koppers will advise on suitable equipment.

RECOMMENDATIONS FOR USE

Timber

The timber to be preserved shall be clean, dry, and not decayed by fungi or attacked by insects. The moisture content of the wood shall be appropriate for the preservative treatment method and end use. At the time of preservation the timber moisture content must be below the fibre saturation point (approximately 28 % m/m) and should be at the moisture content appropriate for the end use of the preserved timber.

Preservative Application

The Celcure MC-500 treating solution is applied using a vacuum pressure impregnation plant operated in accordance with the Koppers Operations Manual.

The Celcure MC-500 treating solution is handled in accordance with the requirements of the product label and the Safety Data Sheet.

The (COSHH) Control of Substances Hazardous to Health Regulations 2002 may apply to the use of this product at work. Engineering control of operator exposure must be used where reasonably practicable in addition to the following items of personal protective equipment. However, engineering controls may replace personal protective equipment if a COSHH assessment shows they provide an equal or higher standard of protection.

Wear impervious gauntlets, impervious footwear and an impervious apron when handling freshly treated timber.

Avoid excessive contamination of coveralls and launder regularly. Take off immediately all contaminated clothing.

Do not breathe aerosol. Wash hands and exposed skin before eating, drinking, smoking and after use.

Drying of treated timber

Treated wood must be held until surfaces are dry within a bunded area on a site which is maintained to prevent loss of treatment product to the environment

Treated timber will dry naturally, but to minimise the drying period, tightly bound packs should be stickered and then allowed to stand in a well-ventilated area. Care should be taken not to despatch timber which still contains free liquid on its surfaces.

ADDITIONAL INFORMATION

Celcure MC-500A and Celcure MC-500B concentrates are approved by the UK Health and Safety Executive under The Control of Pesticides Regulations 1986 (as amended) for use as directed. HSE No. 8705, 8704 respectively. The approval holder and marketing company in the UK is Protim Solignum Limited.

Celcure MC-500 contains copper carbonate hydroxide, benzalkonium chloride and boric acid.

Use wood preservatives safely. Always read the label and product information before use.

Celcure MC-500 treated wood products are produced by independently owned and operated wood preserving facilities.

Koppers Performance Chemicals provides a range of products and technologies for the treatment, protection and enhancement of timber. Information and advice is available on all aspects of our products from the Technical Services Department.

For more information visit;

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* Celcure is a registered trademark of Protim Solignum Ltd. Protim Solignum Ltd. trades as Koppers. A Koppers Company.

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