

Celcure[®] C65

Technical Data Sheet

Wood preservative for industrial vacuum pressure treatment.

TDS 2169

DESCRIPTION

CELCURE C65 is a water-based wood preservative which contains a copper-based fungicide, and an organic co-biocide (a quaternary ammonium compound).

Celcure C65 preserved wood is protected against wood decaying fungi and wood destroying insects.

Celcure C65 is supplied as two liquid concentrates: Celcure C65A and Celcure C65B. 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 high vacuum pressure impregnation.

PROPERTIES OF CELCURE C65A & 65B CONCENTRATE:

	Celcure 65A	Celcure 65B
Colour	Dark Blue	Colourless
Density (g/cm ³):	1.20-1.25 @ 20°C	0.9 -1.0 at 20°C
Odour	Characteristic	Characteristic
pH	10.5 -11.5	8.2 – 9.2

PACKAGING and STORAGE

Supplied in IBC and bulk supply. Store in a cool, well-ventilated area. Keep container tightly closed. The floor of the storage room must be impermeable to prevent the escape of liquids. Avoid release to the environment. Protect from frost. Must only be kept in original packaging.

HANDLING PRECAUTIONS

The handling and safety precautions shown on the Celcure C65A and Celcure 65B product labels must be understood and followed at all times. Use only as a wood preservative, and as described on the labels. See Celcure C65A and Celcure 65B Safety Data Sheets for further information.

The (COSHH) Control of Substances Hazardous to Health Regulations 2002 / Safety, Health and Welfare at Work (Chemical Agents) Regulations 2001 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 (see below). However, engineering controls may replace personal protective equipment if a COSHH / Risk Assessment shows they provide an equal or higher standard of protection.

Wear suitable protective clothing (coveralls), impervious gauntlets and eye protection when using the product and during maintenance of treatment equipment. Avoid excessive contamination of coveralls and launder regularly. Avoid direct contact with the substance. Ensure there is sufficient ventilation of the area. Avoid the formation or spread of mists in the air.

Protect cuts and abrasions by means of a waterproof dressing. When using, do not eat, drink or smoke. Wash

splashes from eyes and skin immediately with water. Wash hands and exposed skin before meals and after use.

Do not contaminate watercourses or ground. Dispose of surplus chemical, contaminated materials (including sawdust) and the empty container safely using a method approved by the waste disposal authority and in accordance to Technical Guidance WM3.

RECOMMENDATIONS FOR USE

Celcure C65 Treating Solution is a dilution with water of Celcure C65A and Celcure C65B liquid concentrates.

Celcure C65A must be mixed with Celcure 65B at a ratio of 4.35(A) : 1 (B) by weight and diluted 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 or bulk storage tank should use an automated dosing system. This requires minimal operator involvement and reduces exposure of the operator to the product. Information on the use of the system can be obtained from Koppers.

Timber

The timber to be preserved shall be clean and dry to allow penetration of the liquid, and not decayed by fungi or attacked by insects.

Wood-working (e.g. planing, profiling) should be carried out before treatment. At the time of treatment, 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

Celcure C65 Treating Solution is applied using a high pressure vacuum impregnation plant, operated in accordance with the Koppers Plant Operations Manual, to give an appropriate level of uptake and penetration into the wood.

Uptake

Uptake varies according to wood species, the condition of timber treated and the application method used. Contact Koppers for further information.

Retention

Retention varies according to use class and end use. Contact Koppers for further information.

HANDLING PRECAUTIONS AND DRYING OF FRESHLY TREATED WOOD

If freshly treated timber is visibly wet with the preservative, then impervious clothing such as impervious gauntlets, impervious footwear and an impervious apron should be worn when handling the recently treated timber.

Wash splashes from eyes and skin immediately with water. Do not eat, drink or smoke whilst handling freshly treated timber. Wash hands and exposed skin before eating,

drinking, smoking and after work. Protect cuts and abrasions by means of a waterproof dressing.

Treated wood must be held until surfaces are dry within a bunded, hard standing 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.

Timber which still has preservative liquid on its surfaces, or within a pack, must not be despatched.

CELCURE C65 PRESERVED WOOD

Description

Celcure C65 preserved wood has been preserved by the application of a 1 % to 10 % m/m solution in water of Celcure C65A and 65B liquid concentrate, in an industrial, controlled treatment process using vacuum pressure impregnation, and then allowed to dry.

When treated to UC1, UC2 and UC3a specifications, treated timber should be stored in dry conditions for storage and transport. UC1-3a treated timber, which is not coated, wrapped or covered, should not be exposed to excessive or prolonged periods of rainfall or wetting before installation nor allowed to rest in standing water. Installed timber should be appropriately sealed and protected from weathering as soon as practically achievable, and should not be exposed directly to excessive weathering during the construction phase. If wood is to be used in an interior application and becomes temporarily wetted during construction, it should be allowed to dry before being covered or enclosed.

See the "User's Guide to Celcure C65 Preserved Wood" for additional and important information

Any surface exposed by drilling or cutting must be re-treated with an approved 'cut end' preservative. Failure to re-treat may reduce the effectiveness of the preservative treatment. Always follow the 'cut end' preservative manufacturer's recommendations.

COMPATIBILITY

Certain metal products (including fasteners, hardware and flashing) may corrode when in direct contact with wood treated with copper based preservatives. To prevent premature corrosion and failure it is important to follow the recommendations of the manufacturer for all metal products. Do not use preserved wood in direct contact with aluminium. If you desire to apply a paint, stain, clear water repellent or other finish to your preservative treated wood, we recommend following the manufacturer's instructions and label of the finishing product. Before you start, we recommend that you apply the finishing product to a small test area before finishing the entire project to ensure that it provides the intended result.

DISPOSAL

Preserved timbers which are no longer usable such as cut ends, broken boards, sawdust, or treated timber material taken out of service, may be disposed of in landfills or burned in commercial or industrial incinerators or boilers in accordance with national and local regulations. For up to

date information please contact the Technical Services Department.

SAFETY INFORMATION

CELCURE C65A

Harmful if swallowed.

Causes severe skin burns and eye damage.

May cause respiratory irritation.

Toxic to aquatic life with long lasting effects

Do not breathe vapours.

Do not get in eyes, on skin, or on clothing.

Do not eat, drink or smoke when using this product.

Wash contaminated clothing before reuse.

Wash hands thoroughly after handling.

Avoid release to the environment.

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

IF SWALLOWED: rinse mouth. Do NOT induce vomiting.

IF SWALLOWED: Immediately call a POISON CENTER/doctor.

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

IF INHALED: Remove person to fresh air and keep comfortable for breathing.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Immediately call a POISON CENTER/doctor.

Dispose of contents/container to hazardous or special waste collection point.

CELCURE C65B

Harmful if swallowed.

Causes severe skin burns and eye damage.

Harmful to aquatic life with long lasting effects.

Do not breathe vapours.

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

Avoid release to the environment.

IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell.

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

IF INHALED: Remove person to fresh air and keep comfortable for breathing.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Immediately call a POISON CENTER/doctor.

Dispose of contents/container to hazardous or special waste collection point.

ADDITIONAL INFORMATION

Celcure C65 is approved by the UK Health and Safety Executive under The Control of Pesticides Regulations 1986 (as amended) for use as directed. HSE No. 9920. The approval holder and marketing company in the UK is Protim Solignum Limited.

Celcure C65 contains copper carbonate hydroxide and dialkyldimethyl ammonium chloride. Use biocides safely.

Celcure C65 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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