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TIMBERLIFE (PTY) LTD
Reg. No. 2000/017132/07

PO Box 73117, Lynnwood Ridge, 0040,
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31 Axle Street, Silverton Ext 52,
Pretoria, South Africa



Technical Information on CTX 108

CTX 108 is mainly an insecticidal brush-on treatment for seasoned timber with added termiticidal activity. The insecticidal active ingredient is both a contact and stomach poison that is non-leachable, temperature stable and persistent under normal conditions of use. The fungicidal active ingredient provides further protection against discolouring fungi and mould growth. (For more details please consult the Product Data Sheet for CTX 108)

CTX 108 has also been registered with the Department of Agriculture, Forestry and Fisheries; Registration No. L 7445 for domestic and industrial use.

Toxicity profiles and uses of active ingredients

(Also consult Material Safety Data Sheet for CTX 108 for more specific details):

(i) Synthetic pyrethroid (insecticide)

Acute Oral LD (rat): 2 565 mg/kg

Cypermethrin is a broad spectrum insecticide with high activity and long-term effectiveness. Wood boring insects and termites are killed by contact action or by ingestion. However, synthetic pyrethroids have a low order mammalian toxicity and are used in a wide range of domestic insecticidal products.

It is also used in agriculture as an insecticide to control a wide range of pests on crops such as fruits, vegetables, etc.

(ii) Organosulphur compound (fungicide)

Acute Oral LD 50 (rat): 1 590 mg/kg

Although the relative toxicity of this compound is slightly higher than that of the insecticidal active ingredient, it has FDA approval for use on components intended for use in packing, packaging or holding food.

It is used in both the timber and leather industries as a micro-biocide and is very effective in controlling sapstain fungi on wood.

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Other features of CTX 108 treatment include:

- Colourless. CTX 108 treatment does not alter the colour of treated timber.
- Quick drying. Solvent dries off within 30 to 60 minutes depending exposure conditions and type of timber.
- Non-swelling. Does not cause swelling of timber during and after application.
- Has no detrimental effect on glue lines of plywood.
- Leaves no surface deposits on treated timber.
- Can be overpainted after treatment.
- Can be applied by brush, roller brush, spray or dip methods.
- Although irritating by eye and skin contact, it has a relatively low mammalian toxicity and is not classified as a carcinogen.
- Cypermethrin is approved as an insecticidal treatment for sawn and round timber used in Hazard Classes I, II and III in Australia.
- CTX 108 is registered with the Department of Agriculture, Forestry and Fisheries for domestic and industrial use (Reg. No. L 7445).

It is recommended that its use on untreated timber be restricted to applications under roof as well as outdoor, above ground conditions if coated with a water repellent sealer, i.e. where it might be exposed to insects including termites but not subjected to severe fungal attack. (Therefore to be used under well ventilated and/or dry conditions and not subjected to free water and continuous moist conditions). Typical uses would include mouldings, ceiling boards, floorboards and joinery as well as exterior cladding, hardwood timber decking, etc. that have been sealed with an exterior water repellent after CTX 108 treatment.

CTX 108 can, however, also be used as a supplementary treatment on CCA-treated poles to provide additional protection against potential attack by subterranean termites through checks that have developed after installation.