

Evaluation Report for Category B, Subcategory 2.1, 2.3, 2.4, 2.6 Application

Application Number: 2014-2178
Application: New Product Chemistry – Guarantee, Identity of Formulants, Proportion of Formulants, new combination of TGAI
Product: MP200A-TS
Registration Number: 32008
Active ingredients (a.i.): Copper, present as basic copper carbonate and tebuconazole
PMRA Document Number : 2550874

Purpose of Application

The purpose of this application was to register a new end-use product containing basic copper carbonate and tebuconazole. The product is for Industrial use as a heavy duty wood preservative concentrate (USC 23).

Chemistry Assessment

MP200A-TS is formulated as a suspension containing copper (present as basic copper carbonate) at 28.00% and tebuconazole at 1.12%. This end-use product has a density of 1.644 g/cm³ and a pH of 8.30. The chemistry requirements for this product have been fulfilled.

Health Assessments

MP200A-TS is moderately acutely toxic to rats via the oral route of exposure. It is of low acute toxicity in rats via the dermal and inhalation routes of exposure. MP200A-TS is minimally irritating to the eye and not irritating to the skin of rabbits, and is not a dermal sensitizer when tested in guinea pigs via the Buehler method.

The use of the new end-use product MP200A-TS as a heavy duty wood preservative is not expected to result in potential occupational or bystander exposure over the registered use of copper (present as basic copper carbonate) and tebuconazole. No health risks of concern are expected when workers follow label directions and wear personal protective equipment as stated on the label.

Environmental Assessment

The target retention rate (application rate) of the new product, MP200C-TS, is identical to that which is registered for the tank-mix of MicroPro 200C-TS and MTZ. The EAD therefore has determined that the use of the new end-use product MP200C-TS does not represent an increase in risk to non-target organisms in comparison to the currently registered tank-mix of MicroPro 200C-TS and MTZ. The EAD concludes that the use of MP200C-TS will not pose an unacceptable risk to non-target organisms provided that risk mitigation label statements are followed.

Value Assessment

Ample value information of sufficient scientific quality was previously submitted to support the proposed tank mix of wood preservatives MicroPro 200C-TS (PCP 30196) and MTZ (PCP 30379). Since the MP200A-TS is the mixture of MicroPro 200C-TS and MTZ into a pre-formulated wood preservative, to be used at the same retention rates supported with value information as part of the previously registered tank mix, it is expected to provide effective protection for lumber in ground and freshwater contact at 3.3 kg/m³, 1.7 kg/m³ for above-ground structural and 0.9 kg/m³ for above-ground non-structural uses.

It is important to note that four different trials have been initiated in Canada, using Canadian wood species, such as an above-ground decking test, a ground contact stake test, a ground contact round post-test and an accelerated indoor above-ground study. These trials are required to be submitted once they become available and the rates may be adjusted accordingly.

Conclusion

The Pest Management Regulatory Agency has completed an assessment of the information provided in support of the product, MP200A-TS, and has found the information sufficient to register this end-use product.

References

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