

Evaluation Report for Category B, Subcategory 3.1 Application

Application Number: 2015-2937
Application: Changes to the Product Label – Application Rate Increase
Product: Composibor
Registration Number: 30274
Active ingredients (a.i.): Zinc Borate
PMRA Document Number : 2630329

Purpose of Application

The purpose of this application was to increase the application rate of Composibor from 0.75 to 1.0 kg to 0.75 to 2.0 kg Composibor per 100 kg of wood composite, when used to treat wood products.

Chemistry and Environmental Assessments

Chemistry and environmental assessments were not required for this application.

Health Assessments

Toxicology and dietary exposure assessments were not required for this application.

An updated health risk assessment was conducted for chemical handlers and factory workers. With revised precautions, no health risks of concern were identified for the manufacturing of wood composites using zinc borate. A post application risk assessment was conducted and no health risks of concern are expected when workers follow the label directions and wear the personal protective equipment identified on the label.

Value Assessment

The increase in rate from 1.0 to 2.0 kg Composibor per 100 kg of wood composite material is not expected to have a negative impact on efficacy and will be of value in treating oriented strand board (OSB) and other wood composite materials that may be used in scenarios where there is the possibility for some exposure to rain and leaching. Data used to support zinc borate in the American Wood Protection Association (AWPA) (formerly the American Wood-Preservers Association) standards confirmed the need for higher zinc borate loadings when subject to leaching.

Conclusion

The Pest Management Regulatory Agency has completed an assessment of the available information and is able to support the increase in application rate of

Composibor when used to treat wood products.

References

PMRA Document Number	References
2230934	2012, Deficiency Response to 2011-6060 for DACO 5.2, DACO: 5.2
2230935	2012, Draft ZB Wipe Test Reportv2, DACO: 5.6,5.7,5.9
2230939	2012, IITRI Study 2371_Final Report_8-23-12, DACO: 5.6,5.7,5.9
2641237	2016, Clarification to April 6th Questions (1-3), DACO: 5.6(B),5.7,5.9
2644072	2016, Further Clarification, DACO: 10.2.3
2644073	2012, Determination of Boron and Zinc Content in OSB and WPC Samples, DACO: 10.2.3
2564661	2015, LP letter to PMRA - Composibor label, DACO: 10.2.3,10.2.3.4
2564662	2015, FP Innovations letter to PMRA, DACO: 10.2.3,10.2.3.4
2564665	2013, Data Package in Support of the Reaffirmation of AWPA Standards P18, Section 1.0 and P51 Submission to AWPA Subcommittee P-8, Non-pressure Preservatives, DACO: 10.2.3,10.2.3.4

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