

Evaluation Report for Category B, Subcategory 2.1,2.4 Application

Application Number: 2006-7901
Application: B.2.1 New EP Product Chemistry-Guarantee
B.2.4 New EP Product Chemistry-Proportion of Formulants
Product: Antiblu TK-30
Registration Number: 29547
Active ingredients (a.i.): Propiconazole
PMRA Document Number: 2254638

Purpose of Application

The purpose of this application was to register a new end use product, Antiblu TK-30 containing 30% propiconazole for use as a wood preservative. Antiblu TK-30 is to be used only in conjunction with Antiblu Q-50. Antiblu TK-30 is a diluted version of Janssen Pharmaceutica's Wocosen 50 TK Manufacturing Concentrate (48.5% a.i., Reg. No. 24515).

Chemistry Assessment

Antiblu TK-30 is formulated as a solution containing propiconazole at a minimum concentration of 30 %. This end-use product has a density of 1.042 g/cm³ and pH of 4.30. The chemistry requirements for Antiblu TK-30 are complete.

Health Assessments

Based on the studies for Wocosen 50 TK Manufacturing Concentrate, Antiblu TK-30 is of moderate toxicity via the oral route and low toxicity via the inhalation route in rats. It is of low toxicity in albino rabbits by the dermal route. Antiblu TK-30 is not irritating to the skin, but is mildly irritating to the eyes of rabbits. It is not a dermal sensitizer in guinea pigs.

The accepted use pattern for AntiBlu TK-30 fits within the existing use pattern for anti-sapstain uses of propiconazole. As such exposure to workers handling AntiBlu TK-30 and wood treated with AntiBlu TK-30 is not expected to increase over the currently registered use pattern when all label precautions are followed.

Environmental Assessment

Antiblu TK-30 is a diluted version of the currently registered Wocosen 50 TK Manufacturing Concentrate (Reg. No. 24515) for use in anti-sapstains and wood preservatives. Use of Antiblu TK-30 in conjunction with Antiblu Q-50 concentrate in wood preservatives and anti-sapstains does not result in an unacceptable risk to the environment.

Value Assessment

Three small-scale efficacy studies were provided to evaluate the ability of an Antiblu TK-30 and Antiblu Q-50 tank mix to protect freshly cut wood against sapstain. One of the studies was conducted with Douglas fir to correlate the dilution rates for dip treatment with the deposition rates on the wood. The second and third studies were conducted in California and British Columbia with Douglas fir as well. The data demonstrated that Antiblu TK-30 provided effective protection against sapstain in Douglas fir for at least 6 months when used at rates similar to what is currently registered rates for anti-sapstain products containing these active ingredients or similar active ingredients.

After reviewing the data provided, the use of Antiblu TK-30 was determined to be acceptable.

Conclusion

The Pest Management Regulatory Agency has completed an assessment of the available information for Antiblu TK-30 and has found the information sufficient to allow for full registration.

References

PMRA No.	Title
1379845	2006, AntiBlu® TK-30 - Description of the Formulating Process, DACO: 3.2.2 CBI
1379846	2006, Enforcement Analytical Method for the Determination of Propiconazole by Liquid Chromatography, DACO: 3.4.1
1379847	2006, Physical and Chemical Characteristics: Color, Physical State, Odor, Oxidation/Reduction, Flammability, pH, Viscosity, and Density/Relative Density, DACO: 3.5.1
1379848	2006, Storage Stability and Corrosion Characteristics - 3 Month Interim Report, DACO: 3.5.10
1379849	2006, AntiBlu® K-30 Explosive Properties, DACO: 3.5.12
1748416	2008, AntiBlu TK-30 Storage Stability and Corrosion Characteristics, DACO: 3.5.10,3.5.14 CBI
1748418	2008, AntiBlu TK30_Q50_Dip vs Spray Efficacy Study, DACO: 10.1,10.2,10.2.3,10.2.3.3
1748419	2008, Antiblu TK 30 Final rating (6 months) - the board field trial at Anderson Pacific Lumber, BC, Canada, DACO: 10.1,10.2,10.2.3,10.2.3.3
1748420	2008, Antiblu TK-30_Testing (BAC) and propiconazole for sapstain control - Board field trial in Aldergrove, BC, Canada, DACO: 10.1,10.2,10.2.3,10.2.3.3
1453213	1995, Acute Oral Toxicity of Wocosen 50 TK, a technical concentrate comprising propiconazole (50% w/w; R049362), in rats, DACO: 4.6.1
1453214	1995, Acute Dermal Toxicity Study in Albino Rabbits Limit Test, DACO: 4.6.2
1453215	1995, Acute Inhalation Toxicity of "WOCOTEN 50 TK" in Rats, DACO: 4.6.3
1453216	1996, Primary Eye Irritation, DACO: 4.6.4
1453217	1995, Primary Dermal Irritation Study in Albino Rabbits, DACO: 4.6.5
1453218	1996, Dermal Sensitization Study According to the Buehler Test, DACO: 4.6.6

ISSN: 1911-8082

© Her Majesty the Queen in Right of Canada, represented by the Minister of Public Works and Government Services Canada 2013

All rights reserved. No part of this information (publication or product) may be reproduced or transmitted in any form or by any means, electronic, mechanical photocopying, recording or otherwise, or stored in a retrieval system, without prior written permission of the Minister of Public Works and Government Services Canada, Ottawa, Ontario K1A 0S5.