



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

Application Number: 2022-3809
Application: New End-use Product: Product Chemistry - Guarantee, Identity and Proportion of Formulants, New Combination of Technical Grade Active Ingredients
Product: AntiBlu M3
Registration Number: 34952
Active ingredients (a.i.): 3-iodo-2-propynyl butyl carbamate; Propiconazole; Didecyldimethylammonium chloride
PMRA Document Number : 3499067

Purpose of Application

The purpose of this application was to register a new wood preservative product, AntiBlu M3, to be used as a mold and sapstain treatment for freshly sawn lumber during transit and storage.

Chemistry Assessment

AntiBlu M3 is formulated as a solution containing propiconazole at a concentration of 6.0%, 3-iodo-2-propynyl butyl carbamate at a concentration of 4.0%, and didecyldimethylammonium chloride at a concentration of 41.7%. This end-use product has a density of 0.941–1.0 g/mL and pH of 4.62 (1% w/w solution). The required chemistry data for AntiBlu M3 have been provided, reviewed and found to be acceptable.

Health Assessments

AntiBlu M3 is considered to be moderately acutely toxic via the oral, dermal, and inhalation routes of exposure. It is corrosive to the eyes and extremely irritating to the skin, and is a potential dermal sensitizer.

The use of AntiBlu M3 fits within the registered use pattern of registered products. As such, exposure to the active ingredients propiconazole, 3-iodo-2-propynyl butyl carbamate and didecyldimethylammonium chloride is not expected to exceed that of the registered uses. No health risks of concern are expected, provided that workers wear the appropriate personal protective equipment and follow all label directions for use.

A dietary exposure assessment was not required for this application.

Environmental Assessment

After a scientific review of the available information, it is concluded that the environmental risks associated with the use of AntiBlu M3 are acceptable when the product is used according to the label directions.

Value Assessment

AntiBlu M3 would provide an alternative active ingredient mixture to the currently registered short-term wood preservative products meant for storage and transit. The submitted laboratory study demonstrated that the product (at the supported retention rates) can prevent mold and stain growth on freshly sawn lumber for a period of up to 6 months.

Conclusion

The Pest Management Regulatory Agency has completed an assessment of the information provided, and has found the information acceptable to register AntiBlu M3, a new wood preservative product.

References

| PMRA Document Number | Reference |
|----------------------|---|
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| 3377429 | 2022, AntiBlu M3 DACO 3.2 - 3.3 Formulation Process and Specifications, DACO: 3.2,3.2.1,3.2.2,3.2.3,3.3.1 CBI |
| 3377430 | 2016, PT-160412-A101a: Physical and Chemical Characteristics: Color, Physical State, Odor, Oxidation/Reduction, Flammability, pH, Viscosity and Density/Relative Density, DACO: 3.5.1, 3.5.11, 3.5.2, 3.5.3, 3.5.6, 3.5.7, 3.5.8, 3.5.9 |
| 3377431 | 2020, Accelerated Storage Stability and Corrosion Characteristics of Mycostat 3, DACO: 3.4.1, 3.5.10, 3.5.14 |
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| 3377443 | 2022, A Field Trial Evaluating the Efficacy of The Antiblu M3, DACO: 10.2, 10.2.3, 10.2.3.3 |
| 3377432 | 2022, DACO 4 Summary, DACO: 4.1 |
| 3377435 | 2016, PT-160412-A101a: Acute oral Toxicity - UP and Down Procedure in Rats, DACO: 4.6.1 |
| 3377433 | 2016, Mycostat 3 Acute Dermal Toxicity in Rats, DACO: 4.6.2 |
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| 3377437 | 2017, PT-160412-A101a: Primary Eye Irritation in Rabbits, DACO: 4.6.4 |
| 3377438 | 2017, PT-160412-A101a: Primary Skin Irritation in Rabbits, DACO: 4.6.5, 5.2 |
| 3377436 | 2017, PT-160412-A101a: Local Lymph Node Assay (LLNA) in Mice, DACO: 4.6.6 |

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