



Evaluation Report for Category L, Subcategory 1.2 Application

Application Number: 2020-1053
Application: Application subject to the Protection of Proprietary Interests in Pesticide Data Policy
Product: Preventol BIT 20N
Registration Number: 34201
Active ingredients (a.i.): 1,2-benzisothiazolin-3-one
PMRA Document Number: 3224817

Purpose of Application

The purpose of this application was to register a new material preservative, based on a precedent, for use as a preservative for latex emulsions, aqueous-based paints, aqueous mineral slurries, aqueous-based cleaning products, and metal working fluids.

Chemistry Assessment

Preventol BIT 20N is formulated as solution containing 1,2-benzisothiazolin-3-one at a concentration of 19.0% nominal. This end-use product has a density of 1.140 g/mL and pH of 11. The required chemistry data for Preventol BIT 20N have been provided, reviewed and found to be acceptable.

Health Assessments

Preventol BIT 20N was considered to be toxicologically equivalent to the precedent product; therefore, no toxicology data were required. Preventol BIT 20N is considered to be of slight to moderate acute toxicity via the oral route, of low acute toxicity via the dermal route, and of moderate acute toxicity via the inhalation route. It is considered corrosive to eyes and skin and a potential dermal sensitizer.

The use pattern of Preventol BIT 20N is the same as that of the registered precedent product. Therefore, potential exposure for mixers, loaders, applicators, bystanders and postapplication workers is not expected to exceed the current exposure to the registered products of this active ingredient. No health risks of concern are expected for workers and bystanders when label directions, precautions and restrictions are followed.

Environmental Assessment

The use pattern of Preventol BIT 20N is the same as that of the registered precedent product. No additional risk to the environmental is expected from the registration of this product when label directions are followed.

Value Assessment

A comparison of the formulation and use pattern of Preventol BIT 20N to the precedent product demonstrated that the formulation is not expected to have an impact on the product's efficacy. As such, all uses on the precedent product label are acceptable to be included on the Preventol BIT 20N product label.

Conclusion

The Pest Management Regulatory Agency has completed an assessment of the information provided, and has found the information sufficient to register Preventol BIT 20N.

References

PMRA

Document

Number	Reference
3103109	2009, Long Term Storage Stability Test (1 year) for Preventol BIT 20 N, DACO: 3.5.10,3.5.14
3103110	2017, Preventol BIT 20N: 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
3103112	2020, Preventol BIT 20N Product Chemistry Supplement to Support PMRA Registration, DACO: 3.1.1,3.1.2,3.1.3,3.1.4,3.2.1,3.2.2,3.2.3,3.3.1,3.5.4,3.5.5 CBI
3110565	2020, Preventol BIT 20N Product Chemistry Waiver Requests to Support PMRA Registration, DACO: 3.5.12,3.5.13,3.5.15
3167551	2007, Validation of the analytical method 2301-0237202-94 for the determination of 1,2-Benzisothiazoline-3-one in Preventol BIT 20 N, DACO: 3.4.1

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