

Evaluation Report for Category L, Subcategory 1.2 Application

Application Number: 2020-2198
Application: Submissions Subject to Protection of Proprietary Interests in Pesticide Data (PIIP) Policy – Equivalency/Data Compensation Assessment
Product: PREVENTOL IT 14 MV Preservative
Registration Number: 34397
Active ingredients (a.i.): 2-methyl-4-isothiazolin-3-one and 5-chloro-2-methyl-4-isothiazolin-3-one
PMRA Document Number: 3294690

Purpose of Application

The purpose of this application was to register PREVENTOL IT 14 MV Preservative, a new industrial microbiocide product for use in polymer lattices, paints, coatings, inks, adhesives, building materials (caulks and sealants), metalworking fluids, fuels, wood, electrodeposition systems, papermill slimicide, industrial recirculating water cooling towers and oil field injection waters, based on a registered precedent.

Chemistry Assessment

PREVENTOL IT 14 MV Preservative is formulated as a solution containing 2-methyl-4-isothiazolin-3-one at a concentration of 3.46% and 5-chloro-2-methyl-4-isothiazolin-3-one at a concentration of 11.81%. This end-use product has a density of 1.301-1.302 g/mL and pH of 4.12 (1% solution). The required chemistry data for PREVENTOL IT 14 MV Preservative have been provided, reviewed and found to be acceptable.

Health Assessments

The product has high oral and dermal acute toxicity and moderate acute inhalation toxicity, is corrosive to the eye and severely irritating to the skin, and is a potential dermal sensitizer.

The requested use pattern of PREVENTOL IT 14 MV Preservative is comparable to the registered use pattern of the 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 these active ingredients. No health risks of concern are expected for workers and bystanders when label directions, precautions and restrictions are followed.

A dietary exposure assessment was not required for this application.

Environmental Assessment

The uses on the PREVENTOL IT 14 MV Preservative label are within the currently registered use pattern of the active ingredients 2-methyl-4-isothiazolin-3-one and 5-chloro-2-methyl-4-isothiazolin-3-one. Therefore, no increase in exposure to the environment is expected when PREVENTOL IT 14 MV Preservative is used in accordance with the label, which includes statements to mitigate risks to the environment.

Value Assessment

A comparison of the formulation of PREVENTOL IT 14 MV Preservative to the cited precedent product, and the subsequent comparison of the use pattern demonstrated that the minor difference between the two formulations 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 in the PREVENTOL IT 14 MV product label.

Conclusion

The Pest Management Regulatory Agency has completed an assessment of the information provided, and has found the information sufficient to support the registration of PREVENTOL IT 14 MV Preservative.

References

PMRA Document Number	Reference
3127769	2020, Preventol IT 14 MV Preservative Waiver Request, DACO: 3.5.11, 3.5.12, 3.5.13, 3.5.15, 3.5.8
3127770	2020, Preventol IT 14 MV Preservative 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
3127772	2009, Storage Stability and Corrosion Characteristics, DACO: 3.5.10, 3.5.14
3127773	2009, Physical and Chemical Characteristics: Viscosity, DACO: 3.5.9
3127774	2009, Physical and Chemical Characteristics: Color, Physical State, Odor, Stability to Normal and Elevated Temperature, pH and Density/Relative Density, DACO: 3.5.1, 3.5.2, 3.5.3, 3.5.6, 3.5.7, 3.7

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