

Evaluation Report for Category B, Subcategory 3.1 Application

Application Number: 2019-2961
Application: New or Changes to Product Labels - Application Rate Increase or Decrease
Product: Acticide M 10
Registration Number: 33231
Active ingredient (a.i.): 2-methyl-4-isothiazolin-3-one
PMRA Document Number: 3127458

Purpose of Application

The purpose of this submission was to increase the application rates of Acticide M 10 for its uses in polymer dispersions/emulsions/solutions/resins, paints and coatings, adhesives, inks/ink components, fountain solutions, building materials, concrete admixtures, dispersed pigments/mineral slurries, household consumer, industrial and janitorial products.

Chemistry Assessment

A chemistry assessment was not required for this application.

Health Assessments

New toxicology data were not provided. As the formulation of the product did not change, a toxicological evaluation was not required for this application.

Dermal and inhalation risks of concern were not identified for occupational workers mixing/loading Acticide M 10 using a closed transfer system. Dermal and inhalation risks of concern were not identified for secondary handlers (professionals and residential) applying paints/coatings treated at a maximum rate of 0.050 g a.i./kg paint. The supported maximum application rate for household consumer, industrial and janitorial products must remain at 30 ppm of ISL. Dermal sensitization risks of concern were not identified for secondary (professional and residential) handlers applying paints, building materials and cleaning products treated at the maximum label rates.

A dietary exposure assessment was not required for this application.

Environmental Assessment

No new environmental data were submitted for this application and none are required. The potential for environmental exposure associated with material preservatives is low. As such, no additional risk to the environment is expected from the increase in the maximum application rates for Acticide M 10.

Value Assessment

The increased application rates are supported based on previously reviewed information. The increase in application rate range will provide greater flexibility to prevent fungal and bacterial growth under a wider range of conditions.

Conclusion

The Pest Management Regulatory Agency has completed an assessment of the information provided, and has found the information sufficient to amend the label rates for application of Acticide M 10.

References

PMRA Document Number	Reference
2296582	2012, A Study for Measurement of Potential Dermal and Inhalation Exposure, DACO: 5.4
2296584	2013, A Study for Measurement of Potential Dermal and Inhalation Exposure During Manual Pouring of a Liquid Containing an Antimicrobial., DACO: 5.4
2849401	2018, A Study for Measurement of Potential Dermal and Inhalation Exposure During Application of a Latex Paint Containing an Antimicrobial Pesticide Product Using a Brush and Roller for Indoor Surface Painting, DACO: 5.4
3003682	2019, A Study for Measurement of Potential Dermal and Inhalation Exposure During the Application of Paint Containing and Antimicrobial using an Airless Sprayer, DACO: 5.6
2992785	2017, Study Design: A Study for Measurement of Potential Dermal and Inhalation Exposure During the Application of Paint Containing an Antimicrobial using an Airless Sprayer, DACO: 0.7.1
2967976	2019, Analysis of Propiconazole Used as an In-Can Paint Preservative in Wall Wipe Samples, DACO: 5.4
2883917	2018, Analysis of 1,2-Benzisothiazolin-3-one (BIT) in Background Wall Wipe Samples from Indoor Wall Surfaces Painted with Latex Paint Using a Brush and Roller, May 10, 2018, DACO: 5.6

Additional Information

Published Information

PMRA Document Number	Reference
2703752	2011, US EPA Exposure Factors Handbook, DACO: 5.14

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