

Evaluation Report for Category B, Subcategory 3.1 Application

Application Number: 2018-1106
Application: Changes to Product Labels: Application Rate Increase
Product: Thor Acticide 45 Mildewcide
Registration Number: 27271
Active ingredient (a.i.): 2-n-octyl-4-isothiazolin-3-one
PMRA Document Number: 3059195

Purpose of Application

The purpose of this application was to increase the use rate in caulks, sealants, aqueous emulsions, adhesives and polymer compounds for Thor Acticide 45 Mildewcide, a material preservative product.

Health Assessments

As no new toxicology studies were provided and as the formulation of the product did not change, a toxicological evaluation was not undertaken.

A quantitative risk assessment was conducted for primary handlers (mixers/loaders) and secondary handlers (professionals and residential) applying 2-n-octyl-4-isothiazolin-3-one - treated building materials. No risks of concern were identified when primary handlers follow label directions, including using closed transfer systems in manufacturing facilities. For secondary handlers (professional and residential) applying building materials treated at the maximum label rate, no risks of concern were identified.

A dietary exposure assessment was not required for this application.

Chemistry, Environmental and Value Assessments

Chemistry, environmental and value assessments were not required for this application.

Conclusion

The Pest Management Regulatory Agency has completed an assessment of the information provided, and has found the information sufficient to increase the use rate in caulks, sealants, aqueous emulsions, adhesives and polymer compounds for Thor Acticide 45 Mildewcide.

References

PMRA

Document

Number	Reference
2296582	2012, A Study for Measurement of Potential Dermal and Inhalation Exposure, 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
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
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

Additional Information Considered

2409268	United States Environmental Protection Agency, 2012, Standard Operating Procedures for Residential Pesticide Exposure Assessment, DACO: 12.5.5
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