

Evaluation Report for Category B, Subcategory 3.1 Application

Application Number: 2018-5598
Application: Changes to Product Labels - Application Rate Increase
Product: Kathon LX 1400 Microbicide
Registration Number: 28370
Active ingredients (a.i.): 2-methyl-4-isothiazolin-3-one and
5-chloro-2-methyl-4-isothiazolin-3-one
PMRA Document Number : 3062777

Purpose of Application

The purpose of this application was to increase the use rate of Kathon LX 1400 Microbicide as a material preservative in latex.

Chemistry Assessment

A chemistry assessment was not required for this application.

Health Assessments

The toxicology studies submitted were evaluated. It was determined that the new information would not impact the previously established toxicology reference value for use in the quantitative dermal sensitization risk assessment for this combination of active ingredients.

Dermal sensitization risks of concern were not identified for secondary handlers (professionals and residential) applying polymer latex emulsions treated at the maximum label rate of 50 ppm.

A dietary exposure assessment was not required for this application.

Environmental Assessment

No new environmental data were submitted to support this application and none are required. No additional risk to the environment is expected from the increase in the maximum use rate for Kathon LX 1400 Microbicide.

Value Assessment

No value information was necessary to support the increase in the maximum use rate to what it had been prior to re-evaluation (RRD2005-11, *5-Chloro-2-methyl-3(2H)-isothiazolone and 2-Methyl-3(2H)-isothiazolone*), as the product had previously demonstrated acceptable value at this rate.

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 of Kathon LX 1400 Microbicide as a material preservative in latex.

References

PMRA Document Number	Reference
2873262	1984, Human Repeat Insult Patch Test with Kathon CG 100ppm active ingredient, DACO: 4.6.6
2873263	1984, Repeated Insult Patch Test with Kathon CG 50ppm Active Ingredient, DACO: 4.6.6

Additional Information - Published

PMRA Document Number	Reference
2322946	M.A. Jayjock, G.A. Hazelton, P.G. Lewis, M.F. Wooder, 1996, Formulation effect on the dermal bioavailability of isothiazolone biocide, DACO: 4.5.9, 5.8
2703752	2011, US EPA Exposure Factor Handbook, DACO: 5.14

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