



Evaluation Report for Category B, Subcategory 3.1 Application

Application Number: 2018-3952
Application: Changes to Product Labels - Application Rate Increase
Product: Kathon LX
Registration Number: 17445
Active ingredients (a.i.): 2-methyl-4-isothiazolin-3-one and
5-chloro-2-methyl-4-isothiazolin-3-one
PMRA Document Number: 3062765

Purpose of Application

The purpose of this application was to increase the use rate of Kathon LX 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 (professional 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.

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 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

© Her Majesty the Queen in Right of Canada, as represented by the Minister of Health Canada, 2020

All rights reserved. No part of this information (publication or product) may be reproduced or transmitted in any form or by any means, electronic, mechanical, photocopying, recording or otherwise, or stored in a retrieval system, without prior written permission of Health Canada, Ottawa, Ontario K1A 0K9.