

Evaluation Report for Category B, Subcategory 3.1 Application

Application Number: 2019-2548
Application: Changes to Product Labels - Application Rate Increase
Product: ACTICIDE LA 1209 MICROBIOCIDE LIQUID
Registration Number: 31740
Active ingredients (a.i.): 2-methyl-4-isothiazolin-3-one and
5-chloro-2-methyl-4-isothiazolin-3-one, and
bronopol
PMRA Document Number: 3062818

Purpose of Application

The purpose of this application was to increase the use rate of ACTICIDE LA 1209 MICROBIOCIDE LIQUID as a material preservative in inks and ink components.

Chemistry Assessment

Acticide LA 1209 Microbiocide Liquid is formulated as a solution containing bronopol, 2-methyl-4-isothiazolin-3-one, and 5-chloro-2-methyl-4-isothiazolin-3-one at respective concentrations of 8.8%, 0.28%, and 0.84%. This end-use product has a density of 1.06 g/cm³ and pH of 5.3. The required chemistry data for Acticide LA 1209 Microbiocide Liquid have been provided, reviewed and found to be acceptable.

Health Assessments

The toxicology studies submitted as part of these submissions were evaluated. It was determined that this 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) handling inks and ink components treated at a product rate of 2000 ppm.

A dietary exposure assessment was not required for this application.

Environmental Assessment

No new environmental data were submitted to support these submissions and none are required. No additional risk to the environment is expected from the increase in the maximum application rates for ACTICIDE LA 1209 MICROBIOCIDE LIQUID.

Value Assessment

A value assessment was 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 of ACTICIDE LA 1209 MICROBIOCIDE LIQUID as a material preservative in inks and ink components.

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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