

Evaluation Report for Category B, Subcategory 3.1 Application

Application Number: 2019-2361
Application: Changes to Product Labels - Application Rate Increase
Product: Mergal CM1.5
Registration Number: 31369
Active ingredients (a.i.): 2-methyl-4-isothiazolin-3-one (ISL) and
5-chloro-2-methyl-4-isothiazolin-3-one (IST)
PMRA Document Number: 3062831

Purpose of Application

The purpose of this application is to increase the use rate of Mergal CM1.5 as a material preservative in paints, coatings, lattices, adhesives, inks, building materials and metalworking fluids.

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 occupational workers handling metalworking fluids and secondary handlers (professionals and residential) applying paints/coatings and building materials.

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 Mergal CM1.5.

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 Mergal CM1.5 as a material preservative in paints, coatings, lattices, adhesives, inks, building materials and metalworking fluids.

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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