

## Evaluation Report for Category B, Subcategory 3.1 Application

**Application Number:** 2019-2546  
**Application:** Changes to Product Labels - Application Rate Increase  
**Product:** THOR ACTICIDE LG Microbiocide  
**Registration Number:** 28014  
**Active ingredients (a.i.):** 2-methyl-4-isothiazolin-3-one and  
5-chloro-2-methyl-4-isothiazolin-3-one  
**PMRA Document Number :** 3062808

### Purpose of Application

The purpose of this submission was to increase the use rate of THOR ACTICIDE LG Microbiocide 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 as part of this submission 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 occupational workers handling metalworking fluids and secondary handlers (professionals and residential) applying paints/coatings and building materials treated at the maximum application rates.

A dietary exposure assessment was not required for this application.

### Environmental Assessment

No new environmental data were submitted to support this submission and none are required. No additional risk to the environment is expected from the increase in the maximum application rates for THOR ACTICIDE LG Microbiocide.

### 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 THOR ACTICIDE LG Microbiocide as a material preservative in paints, coatings, lattices, adhesives, inks, building materials and metalworking fluids.

## References

<b>PMRA Document Number</b>	<b>Reference</b>
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

<b>PMRA Document Number</b>	<b>Reference</b>
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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