

## Evaluation Report for Category B, Subcategory 3.1 Application

**Application Number:** 2018-5595  
**Application:** Changes to Product Labels - Application Rate Increase  
**Product:** Kathon 886 MW 1.5% Biocide  
**Registration Number:** 19830  
**Active ingredients (a.i.):** 2-methyl-4-isothiazolin-3-one and  
5-chloro-2-methyl-4-isothiazolin-3-one  
**PMRA Document Number :** 3062784

### Purpose of Application

The purpose of this application was to increase the use rate of Kathon 886 MW 1.5% Biocide as a preservative in 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 workers handling metalworking fluids treated at the maximum label rate of 15 ppm for 2-methyl-4-isothiazolin-3-one and 5-chloro-2-methyl-4-isothiazolin-3-one.

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 886 MW 1.5% Biocide.

### 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 886 MW 1.5% Biocide as a material preservative in 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
1645301	2008, 5-Chloro-2-methyl-4-isothiazolin-3-one/2-methyl-4-isothiazolin-3-one (3:1): The Effects of Vehicle on the Sensitization Potential of the Biocidal Active and Evaluation of Post-Application Exposure, DACO: 5.6, 5.7

## Additional Information - Published

<b>PMRA Document Number</b>	<b>Reference</b>
2703752	2011, US EPA Exposure Factor Handbook, DACO: 5.14

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