

## Evaluation Report for Category B, Subcategory 4.1 Application

**Application Number:** 2007-7660  
**Application:** B.4.1 Conversion To Full Registration Without Consultation  
**Product:** Kathon™ LX 1400 Microbicide  
**Registration Number:** 28370  
**Active ingredients (a.i.):** 2-Methyl-4-isothiazolin-3-one (ISL)  
5-chloro-2-methyl-4-isothiazolin-3-one (IST)  
**PMRA Document Number:** 1786385

### Purpose of Application

The purpose of this application is to convert Kathon™ LX 1400 Microbicide (Reg. No. 28370) from conditional to full registration.

### Chemistry Assessment

Kathon™ LX 1400 Microbicide is formulated as a solution containing 5-chloro-2-methyl-4-isothiazolin-3-one at a nominal concentration of 10.4 % and 2-methyl-4-isothiazolin-3-one at a nominal concentration of 3.6 %. This end-use product has a density of 1.269 g/cm<sup>3</sup> and a pH of 1.9. The chemistry requirements for Kathon™ LX 1400 Microbicide are complete.

### Health Assessments

No toxicology data were required for the conversion of this product to full registration. As a result, the toxicity profile is not expected to change.

A health assessment has been conducted for Kathon™ LX 1400 Microbicide. It is not expected that exposure to handler and bystander will increase over the exposure from currently registered products containing ISL/IST active ingredient.

### Environmental Assessment

Although the end-use product, Kathon™ LX 1400 Microbicide is toxic to aquatic organisms, direct environmental exposure is not expected based on the use pattern. The label does not permit discharge of effluent containing this product into aquatic systems. Therefore, environmental exposure to the active ingredients (ISL & IST) is considered negligible.

### Value Assessment

A value assessment was not required for this application.

## Conclusion

The PMRA has completed the assessment of available information and has found the information sufficient to support the conversion of the conditional registration of Kathon™ LX 1400 Microbicide to full registration.

## References

PMRA No	Title
1052501	2004, Kathon LX 1400 Biocide: Evaluation of Physical, Chemical and Technical Properties, DACO: 3.5.1,3.5.10,3.5.2,3.5.6,3.5.7,3.5.9 CBI
1052500	Formulation Process:Kathon LX 1400 Biocide [CBI removed] Formulation, DACO: 3.2.1,3.2.2 CBI
1052499	Product Identification: Kathon LX 1400 Biocide [CBI removed] Formulation, DACO: 3.1.1,3.1.2 CBI
1052506	1992, Kathon LX Stability At 25°C And 55°C, DACO: 3.5.10 CBI
1259306	2005, Pest Management Regulatory Agency Product Chemistry, Part 2 Product Identity, Composition, and Analysis of Kathon LX-1400 ISP Biocide from [CBI removed], DACO: 2.11.1, 2.11.2, 2.11.3, 2.11.4, 2.12.1, 2.13.1, 2.13.3 CBI

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