

Evaluation Report for Category B, Subcategory 3.4 Application

Application Number: 2010-0252
Application: Changes to Product Labels-Application Method
Product: Kathon 893T Technical Microbiocide
Registration Number: 24126
Active ingredients (a.i.): 2-*N*-Octyl-4-Isothiazolin-3-one [OCZ] / Material Preservative and Slimicide
PMRA Document Number: 2294949

Purpose of Application

The purpose of this application was to add a new manufacturing site and to substitute a process solvent at this new site. In addition, the product guarantee is being converted from minimal to nominal.

Chemistry Assessment

Common Name: Othilinone
Chemical Name: 2-*N*-Octyl-4-isothiazolin-3-one

Kathon™ 893T Technical Microbiocide has the following properties:

Property	Result
Colour and physical state	Amber liquid
Nominal concentration	99.4%
Odour	Ester-like
Density	1.036 g/mL
Vapour pressure	0.91 mPa
pH	N/A
Solubility in water	700 ppm
n-Octanol/water partition coefficient	Log K _{ow} = 2.45

The chemistry requirements for Kathon™ 893T Technical Microbiocide have been completed.

Health Assessments

The active ingredient guarantee update from minimal to nominal, as well as the change in manufacturing site and processing solvents does not affect the toxicological profile of Kathon 893T Technical Microbicide.

An exposure assessment was not required for this application.

Environmental and Value Assessment

Environmental or value assessments were not required for this application.

Conclusion

The Pest Management Regulatory Agency has completed an assessment of the information provided in support for the product, Kathon 893T Technical Microbicide, and has found the information sufficient to support the additional manufacturing site and change of guarantee from minimal or nominal.

References

PMRA No.	Title
1845772	OCZ-ROJ-1 Kathon 893T: Impurity Analysis for EPA Registration, DACO: 2.13 CBI
1845907	OCZ-ROJ-1 Kathon 893T Active Ingredient Specifications, DACO: 2.1,2.11,2.12,2.13,2.14,2.2,2.3,2.5,2.7,2.8,2.9 CBI
1845915	OCZ-ROJ-1 Kathon LM Plus Product Chemistry Appendix 1 to 4, DACO: 0.9.1,2.11,2.12,2.13,2.16 CBI
1847016	2009, Applicants Name and Office Address, DACO: 2.1
1847017	2009, Manufacturers Name and Office Address and Manufacturing Plants Name and Address, DACO: 2.2 CBI
1847018	2009, Product Trade Name, DACO: 2.3
1847019	2008, Product Chemistry Series 830 Group A: Product Identity, Composition, and Analysis of [CBI Removed], DACO: 2.11.1,2.11.2,2.11.3,2.11.4,2.12.1,2.13.1,2.13.2,2.13.3 CBI
1952432	2010, GLP-2010-012 Bioban 5 lot analysis, DACO: 2.13.2,2.13.3 CBI
1952435	2006, Capillary GC Analysis of Kathon(TM) 893T for Organic Impurities, DACO: 2.13.1 CBI
1952437	2006, Reverse Phase HPLC analysis of Kathon(TM) 893 Technical for Active Ingredients, DACO: 2.13.1 CBI
1996633	1994, Test Method 94-138-01 Determination of [CBI Removed] in Kathon 886 Technical by Potentiometric Titration, DACO: 2.13.1 CBI

ISSN: 1911-8082

© Her Majesty the Queen in Right of Canada, represented by the Minister of Public Works and Government Services Canada 2013

All rights reserved. No part of this information (publication or product) may be reproduced or transmitted in any form or by any means, electronic, mechanical photocopying, recording or otherwise, or stored in a retrieval system, without prior written permission of the Minister of Public Works and Government Services Canada, Ottawa, Ontario K1A 0S5.