

Section 12 Notice Additional Information Required to Fulfill the Terms and Conditions for Conditional Registration

Product Name: Klarix 4000™ Industrial Microbicide

Registration Number: 27673

Application Number: 2007-7203

PMRA #: 1645384

During the conditional registration period which has been granted to December 31, 2008, the following information is to be generated and must be provided to the Pest Management Regulatory Agency by **December 1, 2008**, and must indicate the DACO numbers specified. A partial response to the outlined Terms and Conditions will not be accepted.

PART 2 CHEMISTRY REQUIREMENTS FOR THE REGISTRATION OF A TECHNICAL GRADE ACTIVE INGREDIENT (TGAI) OR AN INTEGRATED SYSTEM PRODUCT

DACO: 2.14.11
Title: Octanol / water partition coefficient

Required DATA: Experimentally determined log Kow values of the major transformation products, N-(n-octyl) malonic acid and N-(n-octyl) acetamide.

PART 8 ENVIRONMENTAL CHEMISTRY AND FATE

DACO: 8.2.2.2
Title: Analytical methodology for detection of active ingredient and transformation products in sediment

DACO: 8.2.2.3
Title: Analytical methodology for detection of active ingredient and transformation products in water

DACO: 8.2.2.4
Title: Analytical methodology for detection of active ingredient and transformation products in biota (fish)

Required DATA: Suitably sensitive analytical techniques to measure environmental levels of Kathon 287 Technical Microbicide and its transformation products. The status of this task for the ACE project and a timeline for completion must be provided.

PART 9 ENVIRONMENTAL TOXICOLOGY

DACO: 9.5.6
Title: Bioaccumulation

Required DATA: Determination of % of applied radioactivity attributed to each transformation product of Kathon 287 Technical Microbicide accumulating in fish. Any product comprising >10% of the applied radioactivity must be identified.

PART 10 **VALUE**

DACO: 10.2.3.3
Title: Operational trials

Required Data: In order to support a full registration of Klarix 4000 Industrial Microbicide for cooling tower use, a confirmatory operational trial must be conducted in an operating cooling tower. The trial report must include the following:

- A description of the cooling tower.
- Data on the pest problem, including quantitative data on the biofilm and planktonic microorganisms found in the tower, covering a period of at least one week before the trial.
- A confirmation that Klarix 4000 Industrial Microbicide is the only biocide used during the trial.
- Point of addition of the biocide.
- Quantity and frequency of biocide additions required to 1) lower and 2) maintain fouling levels below a threshold identified as the "maximum allowable contamination". The quantity of biocide required can be based on the results obtained from a laboratory study, and then confirmed in this operational trial.
- Quantification of the biofilm throughout the trial.
- Quantification of the planktonic microorganisms (bacteria/fungi/algae) throughout the trial.
- A discussion and any information available on the compatibility of Klarix 4000 Industrial Microbicide with other chemicals typically used in cooling tower.
- Relevance of this trial to other cooling towers.