



Evaluation Report for Category B, Subcategory 3.12 Application

Application Number: 2017-3380
Application: Changes to Product Labels-New Site or Host
Product: Aquacar DB 20 Water Treatment Microbicide
Registration Number: 23358
Active ingredient (a.i.): 2,2-Dibromo-3-nitrilopropionamide
PMRA Document Number : 2899637

Purpose of Application

The purpose of this application was to amend the label of Aquacar DB 20 Water Treatment Microbicide to include use on membrane systems within industrial water processing.

Chemistry Assessment

A chemistry assessment was not required for this application.

Health Assessments

The addition of use on membrane systems within industrial water processing did not impact the toxicological profile of the end-use product Aquacar DB 20 Water Treatment Microbicide.

The occupational exposure and risk from the addition of membrane systems in industrial waters to the Aquacar DB 20 Water Treatment Microbicide label was assessed. No risks of concern are expected from this new use, provided that workers follow the label directions and wear the personal protective equipment identified on the label.

A dietary assessment was not required for this application.

Environmental Assessment

The rates for use on membrane systems in industrial water processing are within the currently registered rates for Aquacar DB 20 Water Treatment Microbicide. Environmental exposure is not expected to increase with this additional use. As such, the request to amend the Aquacar DB 20 Water Treatment Microbicide label to include use on membrane systems in industrial water processing systems is not expected to pose risks of environmental concern.

Value Assessment

One laboratory trial was provided to support the addition of membrane systems for industrial water. The trial examined the ability of a range of rates to control a mixed culture of bacteria associated with industrial biofilm formation. The trial tested the rates and inoculum on four different source waters typical of what would be used for reverse osmosis

feed water. The study demonstrated the value of rates of 1-100 ppm of product to treat incoming water for industrial membrane systems.

Conclusion

The Pest Management Regulatory Agency has completed an assessment of the information provided, and has found the information sufficient to approve the use of Aquacar DB 20 Water Treatment Microbicide on membrane systems within industrial water processing.

References

PMRA

Document

Number	Reference
2781091	2013, DACO 10.2 Efficacy of Aquacar DB 20 Water Treatment Microbiocide for Industrial Membrane Systems, DACO: 10.2

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