



Evaluation Report for Category B, Subcategory 4.1 Application

Application Number: 2010-0645
Application: Conversion to full registration without consultation
Product: Acequinocyl Technical
Registration Number: 28639
Active ingredients (a.i.): Acequinocyl [ACQ]
PMRA Document Number English PDF: 2035743

Background

Acequinocyl Technical was first granted conditional registration on July 11, 2007. The product was granted conditional registration with the requirements of providing the Agency with the following environmental data: Photransformation in soil, *Daphnia* sp. Acute and Chronic (Life Cycle) Toxicity, Crustacean - Acute Toxicity and Mollusc Shell Deposition - Acute Toxicity

Purpose of Application

The purpose of this application was to convert the registration of Acequinocyl Technical, Registration Number 28639, from a conditional to a full registration by addressing the outstanding environmental data requirements.

Chemistry Assessment

All chemistry requirements were previously met therefore; a chemistry review was not required for this application.

Health Assessments

Toxicology and residue data were not a requirement for this application. As a result, the toxicological profile has not changed and residue data were not provided. The full toxicology assessment and residue chemistry assessment can be found in Evaluation Report ERC2007-10: *Acequinocyl*.

Environmental Assessment

Acequinocyl enters the environment when used as a miticide for the control of the Two-spotted spider mite (*Tetranychus urticae*) and Spruce spider mite (*Oligonychus ununguis*) on field grown ornamentals, greenhouse ornamentals, and pome fruit across Canada. An additional study on the acute toxicity of the major transformation product, 2-dodecyl-3-hydroxy-1,4-naphthalenedione, to daphnia was submitted to the PMRA as part of the condition of full registration. There are no additional risks to aquatic organisms, and thus, no additional mitigation measures are required.

Value Assessment

A value assessment is not required for technical grade active ingredients.

Conclusion

The PMRA has completed an evaluation of the subject application and has found the information sufficient to support the conversion of the conditional registration of Acequinocyl Technical, to full registration status.

Reference

PMRA 1861076 2-Hydroxy-3-Dodecyl-14-Naphthalenedione (HDNQ) - Acute Toxicity to Daphnids (*Daphnia magna*) Under Flow-Through Conditions

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