

Evaluation Report for Category B, Subcategory 4.1 Application

Application Number: 2010-0648
Application: Conversion to full registration without consultation
Product: Shuttle 15 SC Miticide
Registration Number: 28640
Active ingredients (a.i.): Acequinocyl
PMRA Document Number English PDF: 2036063

Background

Shuttle 15 SC Miticide was first granted conditional registration on July 11, 2007. The product was granted conditional registration based on the registration status of Acequinocyl Technical, Registration Number 28639.

Purpose of Application

The purpose of this application was to request the conversion of Shuttle 15 SC Miticide, containing the technical Acequinocyl Technical, from conditional to full registration. A similar application has been made for Acequinocyl Technical (submission number 2010-0645).

Chemistry Assessment

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

Health Assessments

Toxicology data were not a requirement and were not provided for this application. As a result the toxicological profile has not changed. For the full toxicology assessment, please refer to the Evaluation Report ERC2007-10: *Acequinocyl*.

A health assessment of Shuttle 15 SC, containing 15.8% acequinocyl, has been conducted. It is not expected that exposure to mixer/loader/applicators and re-entry workers will increase over the exposure from the current conditionally registered uses.

Environmental Assessment

Limited exposure to the environment is expected from the use of Shuttle 15 SC Miticide when used as a miticide for the control of the Two-spotted spider mite (*Tetranychus urticae*) and Spruce spider mite (*Oligonychus ununguis*) in greenhouses, and container grown ornamental and nursery crops across Canada. Additional studies on the acute toxicity of the major transformation product, 2-dodecyl-3-hydroxy-1,4-naphthalenedione, to daphnia were 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 was not required for this application as efficacy data requirements were previously met in the initial application. No further efficacy data is required.

Conclusion

The PMRA has completed an assessment of available information for this application and has found the information sufficient to support the full registration of Shuttle 15 SC Miticide.

References

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

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