



Evaluation Report for Category B, Subcategory 4.6 Application

Application Number: 2025-0033
Application: To fulfill conditions of registration
Applicant: ADAMA Agricultural Solutions Canada Ltd.
Product: ADAMA Prothioconazole Technical
Registration Number: 34061
Active ingredients (a.i.): Prothioconazole
PMRA Document Number: 3822256

Purpose of Application

The purpose of this application was to provide the commercial-scale batch data identified as a post-market requirement for ADAMA Prothioconazole Technical.

Chemistry Assessment

Common Name: Prothioconazole
IUPAC* Chemical Name: (RS)-2-[2-(1-chlorocyclopropyl)-3-(2-chlorophenyl)-2-hydroxypropyl]-2,4-dihydro-1,2,4-triazole-3-thione
CAS† Chemical Name: 2-[2-(1-chlorocyclopropyl)-3-(2-chlorophenyl)-2-hydroxypropyl]-2,4-dihydro-3H-1,2,4-triazole-3-thione

* International Union of Pure and Applied Chemistry

† Chemical Abstracts Service

ADAMA Prothioconazole Technical has the following properties:

Property	Result
Colour and physical state	White
Nominal concentration	98.8%
Odour	No odour
Density	1.45 g/mL
Vapour pressure	7.4×10^{-7} Pa at 20°C
pH	5–6 (1% in water)
Solubility in water	21.2 mg/L (pH 7)
n-Octanol/water partition coefficient	$\log K_{ow} = 3.04$ (pH 7)



The requirements of registration for this product included the provision of commercial-scale batch data. Data to fulfill this requirement have now been provided, reviewed and found to be acceptable. As such, the chemistry requirements for ADAMA Prothioconazole Technical have been fulfilled.

Health, Environmental and Value Assessments

Health, environmental and value assessments were not required for this application.

Conclusion

Health Canada has completed an assessment of the information provided, and has found the information acceptable to fulfill the requirements of registration for ADAMA Prothioconazole Technical.

References

PMRA

Document

Number

Reference

3672825	2024, 34061_5-BA_[CBI removed]_19Dec2024, DACO: 2.13.3 CBI
3811704	2021, Technical Prothioconazole - Production Process and Discussion of Impurity Formation

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