



Evaluation Report for Category L, Subcategory 1.1 Application

Application Number: 2022-4267
Application: Application Subject to Protection of Proprietary Interests in Pesticide Data (PPIP) Policy – Equivalency/Data Compensation Assessment
Product: CAC Prothioconazole Technical
Registration Number: 34967
Active ingredient (a.i.): Prothioconazole
PMRA Document Number: 3494389

Purpose of Application

The purpose of this application was to register CAC 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

CAC Prothioconazole Technical has the following properties:

Property	Result
Colour and physical state	White solid
Nominal concentration	98.7%
Odour	Characteristic odour
Density	1.4292–1.4300 g/cm ³ (20°C)
Vapour pressure	4.29 × 10 ⁻⁸ Pa (20°C)
pH	5.74 (1% w/v, 20°C)
Solubility in water	22.5 mg/L (pH 7, 20-25°C)
n-Octanol/water partition coefficient	K _{ow} = 2.0 (pH 7, 20-25°C)

The required chemistry data for CAC Prothioconazole Technical have been provided, reviewed, and found to be acceptable.

Health, Environmental and Value Assessments

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

Conclusion

The Pest Management Regulatory Agency has completed an assessment of the information provided and has found the information acceptable to register CAC Prothioconazole Technical.

References

PMRA Document Number	Reference
3383948	2021, Qualitative and Quantitative Profile of Prothioconazole Technical (Five Batch Analysis), DACO: 2.13.1,2.13.2,2.13.3,2.13.4 CBI
3383949	2021, Physical State, Appearance, Color, and Odor of Prothioconazole Technical, DACO: 2.14.1,2.14.2,2.14.3 CBI
3383950	2021, Melting point or range of Prothioconazole Technical, DACO: 2.14.4 CBI
3383951	2021, Determination of the Relative Density of Prothioconazole Technical, DACO: 2.14.6 CBI
3383952	2021, Solubility in water and organic solvents of Prothioconazole Technical, DACO: 2.14.7,2.14.8 CBI
3383953	2021, Vapor Pressure of Prothioconazole Technical, DACO: 2.14.9 CBI
3383955	2021, Determination of the pH value of an aqueous solution of Prothioconazole Technical, DACO: 2.14.15,830.7000 CBI
3383956	2022, UV-VIS Absorption Spectra of Prothioconazole Technical, DACO: 2.14.12 CBI
3383957	2021, Partition coefficient (N-Octanol/water) of Prothioconazole Technical, DACO: 2.14.11 CBI
3388247	2022, Additional P&C Characteristics of CAC Prothioconazole Technical, DACO: 2.14.10,2.14.13 CBI
3435013	2023, Analytical method validation and content of [CBI Removed] in Prothioconazole Technical, DACO: 2.13.4 CBI
3484468	2022, Chemistry Information and Manufacturing Method_CAC Prothioconazole Technical, DACO: 2.1,2.2,2.3,2.3.1,2.4,2.5,2.6,2.7,2.8,2.9,3.0 CBI

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