

Evaluation Report for Category B, Subcategory 4.6 Application

Application Number: 2022-0794
Application: Application to fulfill conditions of registration
Product: Pyridaben Technical Miticide/Insecticide
Registration Number: 25133
Active ingredient (a.i.): Pyridaben
PMRA Document Number: 3462307

Purpose of Application

The purpose of this application was to fulfill the conditions of registration for Pyridaben Technical Miticide/Insecticide for commercial-scale batch data.

Chemistry Assessment

Common Name: Pyridaben
IUPAC* Chemical Name: 2-*tert*-butyl-5-[[4-*tert*-butylbenzyl]thio]-4-chloropyridazin-3(2*H*)-one
CAS† Chemical Name: 4-chloro-2-(1,1-dimethylethyl)-5-[[[4-(1,1-dimethylethyl)phenyl]methyl]thio]-3(2*H*)-pyridazinone

* International Union of Pure and Applied Chemistry

† Chemical Abstracts Service

Pyridaben Technical Miticide/Insecticide has the following properties:

Property	Result
Colour and physical state	White crystalline solid
Nominal concentration	99.4%
Odour	Odourless
Density	1.204 g/cm ³
Vapour pressure	10.9 mPa
pH	6.3 (1%)
Solubility in water	0.012 mg/L
n-Octanol/water partition coefficient	log K _{ow} = 6.37

The required chemistry data for Pyridaben Technical Miticide/Insecticide 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 it acceptable to fulfill the outstanding chemistry data requirements for Pyridaben Technical Miticide/Insecticide.

References

PMRA

Document

Number	Reference
3323019	2022, P130_[CBI Removed] analysis of five batch_commercial batch_[CBI Removed]....pdf, DACO: 2.13.4 CBI
3323020	2022, P131_Five Batch analysis_Commercial batch_[CBI Removed]...., DACO: 2.13.3,2.13.4 CBI
3334966	2022, 2.13.3 Addendum, DACO: 2.13.3

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