



Evaluation Report for Category L, Subcategory 1.1 Application

Application Number: 2024-1373
Application: Application Subject to the Protection of Proprietary Interests in Pesticide Data (PIIP) Policy - Equivalency/Data Compensation Assessment
Applicant: Jiangsu Agrochem Laboratory Co., Ltd.
Product: JSAL Prothioconazole Technical
Registration Number: 35457
Active ingredient (a.i.): Prothioconazole
PMRA Document Number: 3675820

Purpose of Application

The purpose of this application was to register the prothioconazole technical product, JSAL Prothioconazole Technical, based on a registered precedent product.

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

JSAL Prothioconazole Technical has the following properties:

Property	Result
Colour and physical state	Off-white solid
Nominal concentration	99.39 %
Odour	Odourless
Density	1.39 – 1.43 g/mL at 20°C
Vapour pressure	2.88 x 10 ⁻⁶ mPa at 20°C, 7.76 x 10 ⁻⁶ mPa at 25°C
pH	5.93
Solubility in water	9.36 mg/L (pH 6.27, 20°C)

Property	Result
n-Octanol/water partition coefficient	$\log K_{ow} = 2.0$ (pH 7)

The required chemistry data for JSAL 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 support the registration of JSAL Prothioconazole Technical.

References

PMRA

Document

Number

Reference

3572953	2018, Manufacturing process, DACO: 2.11.1,2.11.3,2.11.4 CBI
3572968	2017, methodology validation and batch data, DACO: 2.13.1,2.13.3,2.13.4
3572969	2017, Batch data and impurities test, DACO: 2.13.1,2.13.2,2.13.3,2.13.4 CBI
3572970	2019, [CBI removed] test, DACO: 2.13.4
3572971	2017, physical and chemical test 1, DACO: 2.14.1,2.14.12,2.14.15,2.14.2, 2.14.3,2.14.4,2.14.6,830.7000
3572972	2017, Partition coefficient, DACO: 2.14.11
3572973	2017, Water solubility, DACO: 2.14.7
3572974	2017, Vapour pressure, DACO: 2.14.9
3674881	2025, Batch data clarification, DACO: 2.13.3

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