Evaluation Report for Category L, Subcategory 1.1 Application

Application Number: 2025-0107
Application: Application Subject to the Protection of Proprietary Interests in Pesticide Data (PPIP) Policy - Equivalency/Data Compensation Assessment
Applicant: Avesta Cropscience Inc.
Product: Avesta Cyprodinil Technical
Registration Number: 35834
Active ingredient (a.i.): Cyprodinil
PMRA Document Number: 3765329

Purpose of Application

The purpose of this application was to register a new technical source of cyprodinil, Avesta Cyprodinil Technical, based on a registered precedent product.

Chemistry Assessment

Common Name: Cyprodinil
IUPAC* Chemical Name: 4-cyclopropyl-6-methyl-*N*-phenylpyrimidin-2-amine
CAS† Chemical Name: 4-cyclopropyl-6-methyl-*N*-phenyl-2-pyrimidinamine

* International Union of Pure and Applied Chemistry
† Chemical Abstracts Service

Avesta Cyprodinil Technical has the following properties:

Property	Result
Colour and physical state	light yellow solid
Nominal concentration	99.36 %
Odour	odourless
Density	1.1750 – 1.1798 g/cm^3 at 20°C
Vapour pressure at 25°C	5.1×10^{-1} mPa (crystal modification A) 4.7×10^{-1} mPa (crystal modification B)
pH	6.47 (1% w/v dispersion)

Property	Result
Solubility in water at 25°C	pH Solubility (mg/L) 5 20 7 13 9 15
n-Octanol/water partition coefficient	log K_{ow} = 4.0 at 25°C

The required chemistry data for Avesta Cyprodinil 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 Avesta Cyprodinil Technical.

References

PMRA Document Number	Reference
3674223	2018, Five-Batch Analysis of Cyprodinil TGAI - Validation of Analytical Methodology for the Assay of Active Ingredient and Impurity in Cyprodinil TGAI and Subsequent 5-Batch Analysis of the Test Item, DACO: 2.13.1, 2.13.2,2.13.3,2.13.4,2.4,2.5,2.6,2.7,2.8,2.9 CBI
3674224	2018, Physical and Chemical Characterization of Cyprodinil TGAI - Color, Physical State, Odor, Stability to Normal and Elevated Temperature, Metals, and Metal Ions, Storage Stability, Corrosive Characteristics, Oxidation/Reduction: Chemical Incompatibility, pH, UV/Vis Absorption, Melting Point and Density, DACO: 2.14.1,2.14.12,2.14.13,2.14.14,2.14.15, 2.14.2,2.14.3,2.14.4,2.14.6,830.7000
3674225	2018, ARG Cyprodinil Technical Physical and Chemical Properties and Waiver Requests, DACO: 2.14.10,2.14.11,2.14.5,2.14.7,2.14.8,2.14.9
3674226	2018, ARG Cyprodinil Technical: Product Identity and Composition, Description of the Materials Used, DACO: 2.11.1,2.11.2,2.11.3,2.11.4,2.12.1 CBI
3674227	2024, Additional Chemistry Information for Atticus Cyprodinil Technical, DACO: 2.1,2.13.3,2.2,2.3,2.3.1
3674228	2024, Preliminary Analysis and Enforcement Analytical Method of [CBI Removed] in Cyprodinil TC, DACO: 2.13.1,2.13.2,2.13.3,2.13.4 CBI

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