

Evaluation Report for Category L, Subcategory 1.1 Application

Application Number: 2020-1626
Application: Submissions Subject to Protection of Proprietary Interests in Pesticide Data Policy/ Data Compensation Assessment
Product: Sharda Cyprodinil Technical
Registration Number: 34202
Active ingredient (a.i.): Cyprodinil
PMRA Document Number: 3210322

Purpose of Application

The purpose of this application was to register a new source of cyprodinil, Sharda Cyprodinil Technical, based on a precedent.

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

Sharda Cyprodinil Technical has the following properties:

| Property | Result |
|---------------------------|--------------------------------------|
| Colour and physical state | White solid |
| Nominal concentration | 99.44% |
| Odour | Odourless |
| Density | 1.234–1.252 g/mL (20 °C) |
| Vapour pressure | 2.42 mPa (20 °C) 4.38 mPa (25 °C) |
| pH | 7.19 (1% w/v in water) |
| Solubility in water | 9.62 mg/L (pH 6.82, 20 °C) |

| Property | Result |
|---------------------------------------|-------------------------------------|
| n-Octanol/water partition coefficient | log K _{ow} = 3.9 (pH 7.19) |

The required chemistry data for Sharda 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 provide and has found it sufficient to support the registration of Sharda Cyprodinil Technical.

References

| PMRA Document Number | References |
|----------------------|---|
| 3115690 | Yue Wang, 2019, Preliminary Analysis and Validation of Analytical Methods of Cyprodinil Tech, DACO: 2.12.1,2.13.1,2.13.2,2.13.3,2.13.4 CBI |
| 3115691 | Yue Wang, 2019, Preliminary Analysis and Validation of Analytical Methods of Cyprodinil Tech, DACO: 2.12.1,2.13.1,2.13.2,2.13.3,2.13.4 CBI |
| 3115692 | Yue Wang, 2019, Study Title: Chemical and Physical Characterization of Cyprodinil Tech : Color, Physical State, Odor, Accelerated Storage Stability, Melting Point, Partition Coefficient, Solubility, pH, Density, Dissociation Constant, UV UV-Vis, Vapor Pressure, Oxidation/Reduction, Hydrolysis, Flammability, Explodability, Corrosion Characteristics, Oxidizing, Surface Tension and Volatility, DACO: 2.14.1,2.14.10,2.14.11,2.14.12,2.14.13,2.14.14, 2.14.15,2.14.2,2.14.3,2.14.4,2.14.6,2.14.7,2.14.8,2.14.9,2.16 |
| 3136462 | 2020, Original Certificate (Statement of Production), DACO: 2.13.3 CBI |
| 3136463 | 2020, The statement of [CBI REMOVED], DACO: 2.13.4 CBI |
| 3198248 | 2021, Cyprodinil Manufacturing Process and Impurities Formation Description, DACO: 2.11.1,2.11.2,2.11.3,2.11.4,2.12.1,2.4,2.5,2.6,2.7,2.8,2.9 CBI |

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