Evaluation Report for Category L, Subcategory 1.1 Application

Application Number: 2024-2121
Application: Application Subject to the Protection of Proprietary Interests in Pesticide Data (PPIP) Policy - Equivalency/Data Compensation Assessment
Applicant: Tide International Canada, Inc.
Product: Tide Pyraclostrobin Technical Fungicide
Registration Number: 35888
PMRA Document Number: 3778768

Purpose of Application

The purpose of this application was to register a new source of technical pyraclostrobin based on a precedent product.

Chemistry Assessment

Common Name: Pyraclostrobin
English IUPAC* Chemical Name: methyl 2-({[1-(4-chlorophenyl)-1*H*-pyrazol-3-yl]oxy}methyl)-*N*-methoxycarbanilate
CAS† Chemical Name: methyl *N*-[2-[[[1-(4-chlorophenyl)-1*H*-pyrazol-3-yl]oxy]methyl]phenyl]-*N*-methoxycarbamate

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

Tide Pyraclostrobin Technical Fungicide has the following properties:

Property	Result
Colour and physical state	Yellow solid
Nominal concentration	98.5%
Odour	Characteristic
Specific Gravity	1.2-1.4
Vapour pressure	5.98×10^{-4} mPa at 20°C
pH	5.75 (1% w/v, 20°C)
Solubility in water	1.7 mg/L
n-Octanol/water partition coefficient	log K_{ow} = 3.706 (pH 6.63, 25°C)

The required chemistry data for Tide Pyraclostrobin Technical Fungicide 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 for the registration of Tide Pyraclostrobin Technical Fungicide.

References

PMRA Document Number	Reference
3593563	2024, Manufacture process and impurities justification of Pyraclostrobin Technical, DACO: 2.11 CBI
3593577	2020, Qualitative and Quantitative profile of the Pyraclostrobin Technical (five batch analysis), DACO: 2.13 CBI
3593579	2023, Analytical method validation and content of [CBI Removed] in Pyraclostrobin Technical, DACO: 2.13.1,2.13.4 CBI
3593580	2023, Analytical method validation and content of [CBI Removed] in Pyraclostrobin Technical, DACO: 2.13.1,2.13.4 CBI
3593581	2021, Analytical method validation and content of [CBI Removed] in Pyraclostrobin Technical, DACO: 2.13.1,2.13.4 CBI
3593585	2019, Physical state, appearance, color, and odor of Pyraclostrobin Technical, DACO: 2.14.1,2.14.2,2.14.3 CBI
3593586	2020, Melting point or range of Pyraclostrobin Technical, DACO: 2.14.4 CBI
3593587	2020, Determination of the Relative Density of Pyraclostrobin Technical, DACO: 2.14.6 CBI
3593588	2020, Solubility in water and organic solvents (Acetone and Toluene) of Pyraclostrobin Technical, DACO: 2.14.7,2.14.8 CBI
3593589	2020, Vapor Pressure of Pyraclostrobin Technical, DACO: 2.14.9 CBI
3593590	2019, Dissociation Constant in water of Pyraclostrobin Technical, DACO: 2.14.10 CBI
3593591	2020, Partition coefficient (n-octanol/water) of Pyraclostrobin Technical, DACO: 2.14.11 CBI
3593592	2020, UV-VIS Absorption spectra of Pyraclostrobin Technical, DACO: 2.14.12 CBI
3593593	2020, Stability of Pyraclostrobin Technical to normal and elevated temperatures, metals and metal ions, DACO: 2.14.13 CBI

3593594	2020, Determination of the pH value of an aqueous solution of Pyraclostrobin Technical, DACO: 2.14.15,830.7000 CBI
3617400	2021, Analytical method validation and content of [CBI Removed] in Pyraclostrobin Technical, DACO: 2.13.4 CBI
3637922	2023, Rationale addressing [CBI Removed] Tide Pyraclostrobin Technical Fungicide, DACO: 2.13.4 CBI
3695329	2025, Analytical method validation and content of [CBI Removed] in Pyraclostrobin Technical, DACO: 2.13.4 CBI