Health Canada Santé Canada

Evaluation Report for Category L, Subcategory 1.1 Application

Application Number: 2024-4040
Application: Application Subject to Protection of Proprietary Interests in Pesticide Data (PPIP) Policy – Equivalency/Data Compensation Assessment
Applicant: Rainbow CropSciences Inc.
Product: Rainbow Pyraclostrobin Technical
Registration Number: 35725
Active ingredient (a.i.): Pyraclostrobin
PMRA Document Number: 3739796

Purpose of Application

The purpose of this application was to register Rainbow Pyraclostrobin Technical, a new source of the active ingredient pyraclostrobin, based on a registered precedent product.

Chemistry Assessment

Common Name: Pyraclostrobin
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

Rainbow Pyraclostrobin Technical has the following properties:

Property	Result
Colour and physical state	Yellow (Munsell notation: 5Y 9/2) solid
Nominal concentration	98.5%
Odour	Characteristic
Density	1.3314 g/mL at 20°C
Vapour pressure	5.98×10^{-4} mPa at 20°C
pH	5.75, 5.76 (1% w/v, 20°C)
Solubility in water	1.7 mg/L at 20°C, pH = 6.86

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Property	Result
n-Octanol/water partition coefficient	log K_{ow} = 3.706

The required chemistry data for Rainbow Pyraclostrobin 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 Rainbow Pyraclostrobin Technical.

References

PMRA Document Number	Reference
3654219	2024, Manufacture Process of Rainbow Pyraclostrobin Technical-[CBI Removed] Source, DACO: 2.11, 2.11.1, 2.11.2, 2.11.3, 2.11.4 CBI
3654221	2020, Qualitative and Quantitative Profile of the Pyraclostrobin Technical (Five Batch Analysis), DACO: 2.13, 2.13.1, 2.13.2, 2.13.3, 2.13.4 CBI
3654222	2021, Analytical method validation and content of [CBI Removed] in Pyraclostrobin Technical, DACO: 2.13.4 CBI
3654223	2023, Analytical method validation and content of [CBI Removed] in Pyraclostrobin Technical, DACO: 2.13.4 CBI
3654224	2023, Analytical method validation and content of [CBI Removed] in Pyraclostrobin Technical, DACO: 2.13.4 CBI
3654225	2021, Analytical method validation and content of [CBI Removed] in Pyraclostrobin Technical, DACO: 2.13.4 CBI
3654226	2019, Physical State, Appearance, Color, and Odor of Pyraclostrobin Technical, DACO: 2.14.1, 2.14.2, 2.14.3
3654227	2020, Melting point or range of Pyraclostrobin Technical, DACO: 2.14.4
3654228	2020, Determination of the Relative Density of Pyraclostrobin Technical, DACO: 2.14.6
3654229	2020, Solubility in water and organic solvents (Acetone and Toluene) of Pyraclostrobin Technical, DACO: 2.14.7, 2.14.8
3654230	2020, Vapor Pressure of Pyraclostrobin Technical, DACO: 2.14.9
3654231	2019, Dissociation Constant in Water of Pyraclostrobin Technical, DACO: 2.14.10
3654232	2020, Partition coefficient (N-octanol/water) of Pyraclostrobin Technical, DACO: 2.14.11
3654233	2020, UV-VIS Absorption Spectra of Pyraclostrobin Technical, DACO: 2.14.12
3654234	2020, Stability of Pyraclostrobin Technical to normal and elevated temperatures, metals and metal ions, DACO: 2.14.13
3746991	2020, Determination of the pH value of an aqueous solution of Pyraclostrobin Technical, DACO: 2.14.15 CBI