Health Canada Santé Canada

Evaluation Report for Category L, Subcategory 1.1 Application

Application Number: 2023-2086
Application: Application Subject to Protection of Proprietary Interests in Pesticide Data (PPIP) Policy – Equivalency/Data Compensation Assessment
Applicant: AGX Pioneer Enterprise Limited
Product: AGX Pyraclostrobin Technical
Registration Number: 35242
Active ingredient (a.i.): Pyraclostrobin
PMRA Document Number: 3596872

Purpose of Application

The purpose of this application was to register AGX Pyraclostrobin Technical, a new source of the active ingredient pyraclostrobin, based on a currently registered 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

AGX Pyraclostrobin Techncial has the following properties:

Property	Result
Colour and physical state	Yellow powder
Nominal concentration	98.6%
Odour	Characteristic
Density	1.2-1.5 g/mL at 20˚C
Vapour pressure	3.3154 x 10^{-8} Pa at 20˚C
pH	6-7
Solubility in water	2.04 mg/L at pH 6.6

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Property	Result
n-Octanol/water partition coefficient	log K_{ow} = 3.841

The required chemistry data for AGX Pyraclostrobin Techncial 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 AGX Pyraclostrobin Technical.

References

PMRA Document Number	Reference
3466536	2023, AGX Pyraclostrobin Technical: Product Identity and Composition, Description of the Materials Used, Description of the Production Process, Discussion of the Formation of Impurities, Certified Limits, and Summary of Physical/Chemical Properties, DACO: 2.1,2.11,2.11.1,2.11.2,2.11.3, 2.11.4, 2.12,2.14.10,2.14.12,2.2,2.3,2.4,2.5,2.6,2.7,2.8,2.9 CBI
3466537	2017, Qualitative and Quantitative Profile of the test substance Pyraclostrobin Technical (Five Batch Analysis), DACO: 2.13,2.13.1,2.13.2,2.13.3,2.13.4 CBI
3466540	2017, Physical State, Appearance, Color, and Odor of Pyraclostrobin Technical, DACO: 2.14.1,2.14.2,2.14.3
3466541	2017, Melting point and range of Pyraclostrobin Technical, DACO: 2.14.4
3466542	2017, Determination of bulk density of Pyraclostrobin Technical, DACO: 2.14.6
3466543	2017, Solubility in water and organic solvents (N-heptane and acetone) of Pyraclostrobin Technical, DACO: 2.14.7,2.14.8
3466544	2017, Vapor Pressure of Pyraclostrobin Technical, DACO: 2.14.9
3466547	2017, Partition coefficient (N-octanol/water) of Pyraclostrobin Technical, DACO: 2.14.11
3466548	2017, Accelerated Storage Stability and Corrosion Characteristics of Pyraclostrobin Technical, DACO: 2.14.13,2.14.14
3466549	2017, Determination of the pH value of an aqueous solution of Pyraclostrobin Technical, DACO: 2.14.15,830.7000
3566593	2023, Preliminary Analysis, Enforcement Analytical Method & Qualitative and Quantitative Profile of the test substance Pyraclostrobin Technical (Five Batch Analysis), DACO: 2.13 CBI
3566594	2024, Qualitative and Quantitative Profile of the test substance Pyraclostrobin Technical (Five Batch Analysis), DACO: 2.13