

Evaluation Report for Category L, Subcategory 1.1 Application

Application Number: 2018-6665
Application: Submissions Subject to the *Protection of Proprietary Interests in Pesticide (PIIP) Data in Canada* Policy - Equivalency/Data Compensation Assessment
Product: NewAgco Cloquintocet-Mexyl Technical
Registration Number: 34012
Active ingredient (a.i.): Cloquintocet-mexyl
PMRA Document Number: 3011980

Purpose of Application

The purpose of this application was to register a new source of the safener cloquintocet-mexyl based on a precedent.

Chemistry Assessment

Common Name: Cloquintocet-mexyl
 IUPAC* Chemical Name: (RS)-1-methylhexyl (5-chloroquinolin-8-yloxy)acetate
 CAS† Chemical Name: 1-methylhexyl 2-[(5-chloro-8-quinolinyl)oxy]acetate

* International Union of Pure and Applied Chemistry

† Chemical Abstracts Service

NewAgco Cloquintocet-Mexyl Technical has the following properties:

Property	Result
Colour and physical state	Yellowish white solid powder
Nominal concentration	98.32 %
Odour	Characteristic
Density	1.0357 g/mL
Vapour pressure	0.00624 mPa at 25°C
pH	4.15
Solubility in water	0.522 mg/L
n-Octanol/water partition coefficient	4.92

The required chemistry data for NewAgco Cloquintocet-Mexyl Technical have been provided, reviewed and found to be acceptable.

Value, Health and Environmental Assessments

Value, health and environmental assessments are not required for this application.

Conclusion

The Pest Management Regulatory Agency has completed an assessment of the information provided and has found the information sufficient to support the registration of NewAgco Cloquintocet-Mexyl Technical.

References

PMRA Document Number	Reference
2945165	2018, Cloquintocet-mexyl Technical Synthesis Process, DACO: 2.11.1,2.11.2,2.11.3,2.11.4 CBI
2945166	2018, Starting Material SDSs, DACO: 2.11.2 CBI
2945167	2016, Preliminary Analyses of Five Representative Production Batches of Cloquintocet Mexyl Technical Grade Active Ingredient (TGAI) TO Determine Percent Cloquintocet Mexyl and to Quantify its Associated Impurities, DACO: 2.12.1,2.13.3,2.13.4 CBI
2945170	2017, Determination of Colour of Cloquintocet-mexyl 97% TC, DACO: 2.14.1 CBI
2945171	2017, Determination of Physical State of Cloquintocet-mexyl 97% TC, DACO: 2.14.2 CBI
2945172	2017, Determination of Odour of Cloquintocet-mexyl 97% TC, DACO: 2.14.3 CBI
2945173	2017, Determination of Melting Point / Melting Range of Cloquintocet-mexyl 97% TC, DACO: 2.14.4 CBI
2945174	2017, Determination of Density and Specific Gravity of Cloquintocet-mexyl 97% TC, DACO: 2.14.6 CBI
2945175	2017, Determination of Solubility of Cloquintocet-mexyl 97% TC in water, DACO: 2.14.7 CBI
2945176	2017, Determination of Solubility of Cloquintocet-mexyl 97% TC in Organic Solvents (Acetone and Methanol), DACO: 2.14.8 CBI
2945177	2017, Determination of Vapour Pressure of Cloquintocet-mexyl 97% TC, DACO: 2.14.9 CBI
2945178	2017, Determination of Dissociation Constant of Cloquintocet-mexyl 97% TC in Water, DACO: 2.14.10 CBI
2945179	2017, Determination of Partition Coefficient of Cloquintocet-mexyl 97% TC, DACO: 2.14.11 CBI
2945180	2017, Determination of UV-Visible Spectrum of Cloquintocet-mexyl 97% TC, DACO: 2.14.12 CBI
2945181	2017, Determination of Corrosion Characteristics of Cloquintocet-mexyl 97% TC with Packaging Material, DACO: 2.14.13 CBI
2945182	2017, Determination of Accelerated Storage Stability of Cloquintocet-mexyl 97% TC with Packaging Material, DACO: 2.14.14 CBI
2945183	2017, Determination of pH of Cloquintocet-mexyl 97% TCI, DACO: 2.14.15,830.7000 CBI

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