

Evaluation Report for Category L, Subcategory 1.1 Application

Application Number: 2022-1302
Application: Submissions Subject to Protection of Proprietary Interests in Pesticide Data Policy/ Data Compensation Assessment
Product: Cloquintocet-mexyl Agrogill Technical Grade Active Ingredient
Registration Number: 34843
Active ingredient (a.i.): Cloquintocet-mexyl
PMRA Document Number : 3444227

Purpose of Application

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

Chemistry Assessment

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

* International Union of Pure and Applied Chemistry

† Chemical Abstracts Service

Cloquintocet-mexyl Agrogill Technical Grade Active Ingredient has the following properties:

Property	Result
Colour and physical state	white solid
Nominal concentration	99.1%
Odour	faint organic odour
Density	1.05 g/cm ³ at 20°C
Vapour pressure	18 mPa (80.5°C)
pH	6.37 (1% dispersion)
Solubility in water	0.60 mg/L
n-Octanol/water partition coefficient	logK _{ow} = 5.20

The required chemistry data for Cloquintocet-mexyl Agrogill Technical Grade Active Ingredient 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 Cloquintocet-mexyl Agrogill Technical Grade Active Ingredient.

References

PMRA Document Number	References
3335575	2022, DACO 2.11.2 Description of starting materials, DACO: 2.11.2 CBI
3335576	2022, 2.11.3 Detailed Manufacturing Process, DACO: 2.11.3 CBI
3335577	2022, DACO 2.11.4 Discussion of the formation of impurities, DACO: 2.11.4 CBI
3335579	2015, Chemical Composition of Five batches of Cloquintocet-mexyl technical Analysis and Enforcement Analytical methods for Cloquintocet-Mexyl TGAI, DACO: 2.13.1,2.13.2,2.13.3 CBI
3411823	2022, DACO 2.13.3 Batch data clarification for submission 2022-1302, DACO: 2.13.3 CBI

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