



Evaluation Report for Category L, Subcategory 1.1 Application

Application Number: 2019-4098
Application: Application subject to the Protection of Proprietary Interests in Pesticide Data Policy
Product: Lier Cloquintocet-mexyl TC 98%
Registration Number: 34198
Active ingredients (a.i.): Cloquintocet-mexyl
PMRA Document Number: 3078124

Purpose of Application

The purpose of this application was to register a new source of cloquintocet-mexyl.

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

Lier Cloquintocet-mexyl TC 98% has the following properties:

Property	Result
Colour and physical state	Yellowish white solid powder
Nominal concentration	98.32 %
Odour	Characteristic
Density	1032.4 – 1038.5 g/L
Vapour pressure	0.021 mPa at 30 °C ; 0.799 mPa at 40 °C ; 7.41 mPa at 50 °C ; and 0.00624mPa at 25 °C (extrapolated)
pH	4.15
Solubility in water	0.539 mg/L at pH 4.0 and 0.522 mg/L at 9H 7.0
n-Octanol/water partition coefficient	log K _{ow} = 4.92 at 25°C

The required chemistry data for Lier Cloquintocet-mexyl TC 98% 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 sufficient to register Lier Cloquintocet-Mexyl TC 98%.

References

PMRA Document Number	Reference
3023843	2017, Manufacturing process, DACO: 2.11 CBI
3023849	2016, Chemistry Part 2.13, DACO: 2.13 CBI
3023850	2017, Chemistry Part 2.14.1, DACO: 2.14.1 CBI
3023851	2017, Chemistry Part 2.14.2, DACO: 2.14.2 CBI
3023852	2017, Chemistry Part 2.14.3, DACO: 2.14.3 CBI
3023853	2017, Chemistry Part 2.14.4, DACO: 2.14.4 CBI
3023854	2017, Chemistry Part 2.14.6, DACO: 2.14.6 CBI
3023855	2017, Chemistry Part 2.14.7, DACO: 2.14.7 CBI
3023856	2017, Chemistry Part 2.14.8, DACO: 2.14.8 CBI
3023857	2017, Chemistry Part 2.14.9, DACO: 2.14.9 CBI
3023858	2017, Chemistry Part 2.14.10, DACO: 2.14.10 CBI
3023859	2017, Chemistry Part 2.14.11, DACO: 2.14.11 CBI
3023860	2017, Chemistry Part 2.14.12, DACO: 2.14.12 CBI
3023862	2017, Chemistry Part 2.14.14, DACO: 2.14.14 CBI
3023863	2017, Chemistry Part 2.14.15, DACO: 2.14.15, 830.7000 CBI

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