

Evaluation Report for Category B, Subcategory 1.2 Application

Application Number: 2017-0443
Application: New TGAI Product Chemistry – New Source (site) New Registrant
Product: Adama Cloquintocet-mexyl Technical
Registration Number: 33075
Active ingredient (a.i.): Cloquintocet-Mexyl
PMRA Document Number: 2863237

Purpose of Application

The purpose of this application was to register a new source of the active ingredient cloquintocet-mexyl, by a new registrant.

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

Cloquintocet-mexyl has the following properties:

Property	Result
Colour and physical state	Pale yellow powder
Nominal concentration	96.3 %
Odour	Faint odour
Density	1.05 g/cm ³
Vapour pressure	5.31 x 10 ⁻⁶ Pa (25°C)
pH	5.42 (1% dispersion)
Solubility in water	0.6 mg/L
n-Octanol/water partition coefficient	log P = 5.2 at 25°C

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

Health Assessments

Exposure assessments were not required for this application.

Adama Cloquintocet-mexyl Technical is toxicologically equivalent to the precedent product. Subsequently, no toxicological data were submitted or are required.

Environmental Assessment

There are no additional environmental risks expected with the registration of the proposed product. The label contains all the applicable and required environmental hazards and precautions statements.

Value Assessment

A value assessment was not required for this application.

Conclusion

The Pest Management Regulatory Agency has completed an assessment of the available information and is able to support the registration of Adama Cloquintocet-mexyl Technical.

References

PMRA Document Number	References
2722129	2006, Cloquintocet-mexyl Technical Product Chemistry Data for Registration, DACO: 2.11.1, 2.11.2, 2.11.3, 2.11.4 CBI
2722130	2006, Cloquintocet-mexyl Technical- 5-Lots analysis and Method Validation, DACO: 2.12.1, 2.13.1, 2.13.2, 2.13.3, 2.13.4 CBI
2722134	2008, Cloquintocet-mexyl IR and Mass Spectra, DACO: 2.14.12 CBI
2722131	2007, Physical and Chemical Characteristics: Color, Physical State, Odor, Stability to Normal and Elevated Temperature - Metals and Metal Ions, pH and bulk Density, DACO: 2.14.1, 2.14.13, 2.14.2, 2.14.3, 2.14.6

ISSN: 1911-8082

© Her Majesty the Queen in Right of Canada, represented by the Minister of Public Works and Government Services Canada 2018

All rights reserved. No part of this information (publication or product) may be reproduced or transmitted in any form or by any means, electronic, mechanical photocopying, recording or otherwise, or stored in a retrieval system, without prior written permission of the Minister of Public Works and Government Services Canada, Ottawa, Ontario K1A 0S5.