

Evaluation Report for Category B, Subcategory 1.1 Application

Application Number: 2019-5965
Application: Changes to TGAI Chemistry, New Source
Product: ADAMA Cloquintocet-mexyl Technical
Registration Number: 33075
Active ingredient (a.i.): Cloquintocet-mexyl
PMRA Document Number: 3085906

Purpose of Application

The purpose of this application was to register a new source of ADAMA Cloquintocet-mexyl Technical.

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

ADAMA Cloquintocet-mexyl Technical 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 ADAMA Cloquintocet-mexyl Technical 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 the new source of ADAMA Cloquintocet-mexyl Technical.

References

PMRA

Document

Number	Reference
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
2722134	2008, Cloquintocet-mexyl IR and Mass Spectra, DACO: 2.14.12 CBI
3046884	2019, Product Identity and Composition, Description of the Materials Used, Description of the Production Process, Discussion of the Formation of Impurities, Certified Limits, and Enforcement Analytical Method for Cloquintocet-Mexyl Technical, DACO: 2.11.1,2.11.2,2.11.3,2.11.4,2.4,2.5,2.6,2.7,2.8,2.9 CBI
3046885	2016, Determination of Active Content and Impurity Profile of Cloquintocet-Mexyl, DACO: 2.12.1,2.13.1,2.13.2,2.13.3,2.13.4 CBI

ISSN: 1911-8082

© Her Majesty the Queen in Right of Canada, as represented by the Minister of Health Canada, 2020

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 Health Canada, Ottawa, Ontario K1A 0K9.