

Evaluation Report for Category B, Subcategory 1.3 Application

Application Number: 2018-3766
Application: Changes TGAI Prod Chemistry-Specifications
Product: Cloquintocet-mexyl Technical
Registration Number: 30527
Active ingredients (a.i.): Cloquintocet-mexyl
PMRA Document Number: 2992241

Purpose of Application

The purpose of this application was to add an additional storage material and add a new starting material supplier.

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 Technical has the following properties:

Property	Result
Colour and physical state	Light brown powder
Nominal concentration	96.7%
Odour	Odourless
Density	1.05 g/cm ³
Vapour pressure	5.31 × 10 ⁻³ mPa (25°C)
pH	5.4
Solubility in water	0.59 mg/L (25°C)
n-Octanol/water partition coefficient	log K _{ow} = 5.03 (25°C)

The required chemistry data for 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 approved the new storage material and starting material supplier for Cloquintocet-mexyl Technical.

References

Studies/Information Provided by Applicant/Registrant

- 2911365 2018, Cloquintocet-mexyl - Content of Active Ingredient of Batch SMO8J135 after Storage in Drum Made of Varnished Steel for 1 Year at 20°C, DACO: 2.14.14
- 2941711 2018, Description Of Starting Materials, DACO: 2.11.2,2.2 CBI

ISSN: 1911-8082

© Her Majesty the Queen in Right of Canada, represented by the Minister of Public Works and Government Services Canada 2019

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.