

Evaluation Report for Category L, Subcategory 1.1 Application

Application Number: 2023-5060
Application: Application Subject to Protection of Proprietary Interests in Pesticide Data (PIIP) Policy – Equivalency/Data Compensation Assessment
Applicant: Oriental (Luzhou) Agrochemicals Co., Ltd.
Product: Maxunitech Cloquintocet-mexyl Technical
Registration Number: 35322
Active ingredient (a.i.): Cloquintocet-mexyl
PMRA Document Number: 3587456

Purpose of Application

The purpose of this application was to register Maxunitech Cloquintocet-mexyl Technical, a new source of the active ingredient cloquintocet-mexyl, based on currently registered products.

Chemistry Assessment

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

* International Union of Pure and Applied Chemistry

† Chemical Abstracts Service

Maxunitech Cloquintocet-mexyl Technical has the following properties:

Property	Result
Colour and physical state	Yellowish white solid
Nominal concentration	98%
Odour	Characteristic odour
Density	1.03 – 1.05 g/cm ³
Vapour pressure	5.31 x 10 ⁻³ mPa at 25°C
pH	4.15 (1% solution)
Solubility in water	0.59 mg/L
n-Octanol/water partition coefficient	log K _{ow} = 5.03

The required chemistry data for Maxunitech 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 acceptable to support the registration of Maxunitech Cloquintocet-mexyl Technical.

References

PMRA Document Number	Reference
3503277	2023, Maxunitech Cloquintocet-mexyl Technical_TGAI Chemistry Summary Information, DACO: 2.1,2.12.1,2.14.10,2.14.11,2.14.12,2.14.13,2.14.14,2.14.4,2.14.5,2.14.7,2.14.8,2.14.9,2.2,2.3,2.3.1,2.4,2.5,2.6,2.7,2.8,2.9 CBI
3503278	2017, Physical State of Cloquintocet-mexyl Technical, DACO: 2.14.2 CBI
3503279	2017, Density of Cloquintocet-mexyl Technical, DACO: 2.14.6 CBI
3503283	2017, Odour of Cloquintocet-mexyl Technical, DACO: 2.14.3 CBI
3503284	2017, Color of Cloquintocet-mexyl Technical, DACO: 2.14.1 CBI
3503285	2017, pH of Cloquintocet-mexyl Technical, DACO: 2.14.15,830.7000 CBI
3503276	2023, Manufacturing Process for Cloquintocet-mexyl Technical, DACO: 2.11,2.11.1,2.11.2,2.11.3,2.11.4 CBI
3503271	2016, Five Batch Report for Maxunitech Cloquintocet-mexyl Technical, DACO: 2.13,2.13.1,2.13.2,2.13.3,2.13.4 CBI

© His Majesty the King in Right of Canada, as represented by the Minister of Health Canada, 2024

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.