

## Evaluation Report for Category L, Subcategory 1.1 Application

**Application Number:** 2020-3161  
**Application:** Submission subject to the Protection of Proprietary Interests in Pesticide Data (PPIP) policy – Equivalency / Data Compensation Assessment  
**Product:** Sharda Cloquintocet-mexyl Technical  
**Registration Number:** 34256  
**Active ingredient (a.i.):** Cloquintocet-mexyl  
**PMRA Document Number :** 3218739

### Purpose of Application

The purpose of this application was to register Sharda Cloquintocet-mexyl Technical, a new source of the safener cloquintocet-mexyl, based on a registered precedent.

### 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

Sharda Cloquintocet-mexyl Technical has the following properties:

Property	Result
Colour and physical state	Off-white solid
Nominal concentration	99.16%
Odour	Mild spicy
Density	1.113-1.184 g/mL
Vapour pressure	At 20°C: $1.3941 \times 10^{-2}$ mPa At 25°C: $6.7624 \times 10^{-2}$ mPa
pH	4.12 for a 1% dilution
Solubility in water	0.21 mg/L at pH 7
n-Octanol/water partition coefficient	$\log K_{ow} = 4.73$

The required chemistry data for Sharda 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 support the registration of Sharda Cloquintocet-mexyl Technical.

### References

PMRA Document Number	Reference
3139933	2020, Determination of Vapour Pressure of Cloquintocet-Mexyl Technical, DACO: 2.14.9
3139934	2020, Solubility of Cloquintocet-Mexyl Technical, DACO: 2.14.7,2.14.8
3139935	2019, Physicochemical Properties of Cloquintocet-Mexyl Technical, DACO: 2.14.1, 2.14.10, 2.14.12, 2.14.15, 2.14.2, 2.14.3, 2.14.4, 2.14.6, 2.16
3139936	2019, Stability to normal, elevated temperatures, metals, metal ions and corrosion characteristics of Cloquintocet-mexyl Technical, DACO: 2.13.1,2.14.13,2.14.14
3139937	2019, Determination of Partition Coefficient of Cloquintocet-Mexyl Technical by HPLC Method, DACO: 2.14.11
3139938	2020, Letter of Confirmation of Supply, DACO: 2.1,2.13.3,2.2,2.3.1 CBI
3139939	2019, Cloquintocet-mexyl technical 5-batch studies, DACO: 2.12.1, 2.13.1, 2.13.2, 2.13.3, 2.13.4, 2.4, 2.5, 2.6, 2.7, 2.8, 2.9 CBI
3139940	2020, Manufacturing Process for Sharda Cloquintocet-mexyl Technical, DACO: 2.11.1, 2.11.2, 2.11.3, 2.11.4 CBI
3139947	2020, DACO 2 Extras for Sharda Cloquintocet-mexyl Technical, DACO: 2.13.3, 2.3
3213744	2021, Deficiency Response for Sharda Cloquintocet-mexyl Technical, Sub. No.: 2020-3161, DACO: 2.13.3 CBI

© Her Majesty the Queen in Right of Canada, as represented by the Minister of Health Canada, 2021

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.