

Evaluation Report for Category B, Subcategory 1.1 Application

Application Number: 2023-4924
Application: Changes to Technical Grade Active Ingredient (Product Chemistry) – New Source (Site) Same Registrant
Applicant: Corteva Agriscience Canada Company
Product: Rinskor Technical Herbicide
Registration Number: 34727
Active ingredient (a.i.): Florpyrauxifen (present as benzyl ester)
PMRA Document Number: 3722797

Purpose of Application

The purpose of this application was to add two new sources to the registration of Rinskor Technical Herbicide.

Chemistry Assessment

Common Name: Florpyrauxifen-benzyl
 IUPAC* Chemical Name: benzyl 4-amino-3-chloro-6-(4-chloro-2-fluoro-3-methoxyphenyl)-5-fluoropyridine-2-carboxylate
 CAS† Chemical Name: phenylmethyl 4-amino-3-chloro-6-(4-chloro-2-fluoro-3-methoxyphenyl)-5-fluoro-2-pyridinecarboxylate

* International Union of Pure and Applied Chemistry

† Chemical Abstracts Service

Rinskor Technical Herbicide has the following properties:

Property	Result
Colour and physical state	Tan solid
Nominal concentration	75.74%
Odour	Mild
Density	0.202 g/mL at 20 °C
Vapour pressure	0.032 mPa (20 °C) 0.046 mPa (25 °C)
pH	6.58

Property	Result	
Solubility in water	<u>pH</u>	<u>Solubility (mg/L)</u>
	Purified Water	0.015
	5	0.014
	7	0.011
	9	0.012
n-Octanol/water partition coefficient	<u>pH</u>	<u>log K_{ow}</u>
	5	5.4
	7	5.5
	9	5.5

The required chemistry data for Rinksor Technical Herbicide 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 add the new sources to the registration of Rinksor Technical Herbicide.

References

PMRA Document Number	Reference
3501379	2022, 211881 Florpyrauxifen-benzyl Technical [CBI Removed], DACO: 2.11.1,2.11.2,2.11.3,2.11.4,2.12.1,2.13.1,2.13.2,2.13.3 CBI
3501380	2023, 230136 Florpyrauxifen-benzyl Technical [CBI Removed], DACO: 2.11.1,2.11.2,2.11.3,2.11.4,2.12.1,2.13.1,2.13.2,2.13.3 CBI
3657107	2024, 2023-4924 Rinskor Tech Deficiency Response, DACO: 2.13.1,2.13.2, 2.13.4 CBI
3657108	2024, 240357 Evaluation of [CBI Removed] LOQ When Using AM-211867-Signed, DACO: 2.13.1,2.13.2,2.13.4 CBI
3686483	2024, 240228 Analysis of Batch Samples for Active Ingredient and Impurities in Florpyrauxifen-benzyl Technical Grade Active Ingredient, DACO: 2.13.3 CBI
3686487	2025, 240228 Analysis of Batch Samples for Active Ingredient and Impurities in Florpyrauxifen-benzyl Technical Grade Active Ingredient, DACO: 2.13.3 CBI
3708539	2025, 250425 MPD XDE-848 US EPA Phase III [CBI Removed] -CA Update Apr 2025, DACO: 2.13.3 CBI

© His Majesty the King in Right of Canada, as represented by the Minister of Health Canada, 2025

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.