



Protecting human health
and the environment

Protéger la santé
humaine et l'environnement

Evaluation Report for Category B, Subcategory 1.1 Application

Application Number: 2024-5679
Application: Changes to technical grade active ingredient: New source.
Applicant: Syngenta Canada Inc
Product: Clodinafop-Propargyl Technical Active Ingredient
Registration Number: 27430
Active ingredients (a.i.): Clodinafop-propargyl
PMRA Document Number: 3791032

Purpose of Application

The purpose of this application was to add a new manufacturing site to Clodinafop-Propargyl Technical Active Ingredient, registration number 27430.

Chemistry Assessment

Common Name: Clodinafop-propargyl
English IUPAC* Chemical Name: prop-2-ynyl (R)-2-{4-[(5-chloro-3-fluoro-2-pyridyl)oxy]phenoxy}propionate
CAS† Chemical Name: 2-propynyl (2R)-2-[4-[(5-chloro-3-fluoro-2-pyridinyl)oxy]phenoxy]propanoate

* International Union of Pure and Applied Chemistry

† Chemical Abstracts Service

Clodinafop-propargyl Technical Active Ingredient has the following properties:

Property	Result
Colour and physical state	Colourless crystalline solid
Nominal concentration	98%
Odour	Odourless
Density	1.36 g/cm ³
Vapour pressure	3.19 × 10 ⁻⁶ Pa
pH	4.1
Solubility in water	4.0 mg/L (25°C)
n-Octanol/water partition coefficient	Log K _{ow} = 3.90



Health
Canada

Santé
Canada

Canada

The required chemistry data for Clodinafop-Propargyl Technical Active Ingredient 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 amend the registration of Clodinafop-Propargyl Technical Active Ingredient.

References

PMRA

Document

Number

Reference

3650065	2024, Clodinafop-propargyl Technical (CGA184927) - Manufacturing Process Description and Supporting Data PMRA Registration Number: 27430, DACO: 2.11,2.12,2.13 CBI
3783867	2025, Confidential Business Information Clodinafop-Propargyl Technical Active Ingredient Reg. No. 27430, DACO: 2.12,2.13.1 CBI

© His Majesty the King in Right of Canada, as represented by the Minister of Health Canada, 2026

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.