



Evaluation Report for Category B, Subcategory 1.1 Application

Application Number: 2024-3673
Application: Changes to technical grade active ingredient product chemistry;
new manufacturing site
Applicant: Syngenta Canada Inc.
Product: Clodinafop-Propargyl Technical Active Ingredient
Registration Number: 27430
Active ingredient (a.i.): Clodinafop-propargyl
PMRA Document Number : 3755285

Purpose of Application

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

Chemistry Assessment

Common Name: Clodinafop-Propargyl
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

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
3621038	2024, Clodinafop-propargyl Technical (CGA184927) - Manufacturing Process Description and Supporting Data PMRA Registration Number: 27430, DACO: 2.1, 2.11, 2.11.1, 2.11.2, 2.11.3, 2.11.4, 2.12, 2.12.1, 2.13, 2.13.1, 2.13.2, 2.13.3, 2.13.4, 2.2, 2.3, 2.4, 2.5, 2.6, 2.7, 2.8, 2.9 CBI
3621040	2024, Clodinafop-propargyl - Analysis of Five Representative Batches Produced at [CBI Removed] for content of [CBI Removed], DACO: 2.13.3 CBI
3621041	2024, Clodinafop-propargyl - Analysis of Five Representative Batches Produced at [CBI removed]., DACO: 2.13.3 CBI
3621042	2024, Clodinafop-propargyl CGA184927- Supplementary Information on study SMG18096 Characterization of Five Representative Batches of Clodinafop-Propargyl Technical Grade Active Ingredient Produced at [CBI removed]., DACO: 2.13.3 CBI
3741531	2025, Confidential Business Information Clodinafop-Propargyl Technical Active Ingredient Reg. No. 27430, DACO: 2.11.3, 2.12, 2.13.1 CBI

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