

Evaluation Report for Category B, Subcategory 1.1 & 1.3 Application

Application Number: 2013-6937
Application: New / Changes TGAI Prod Chemistry - New Source (site), same registrant; and Specifications
Product: Clodinafop-Propargyl Technical Active Ingredient
Registration Number: 27430
Active ingredients (a.i.): Clodinafop-Propargyl
PMRA Document Number : 2417270

Purpose of Application

The purpose of this application was to add an alternate source of the technical clodinafop-propargyl.

Chemistry Assessment

Common Name: Clodinafop-propargyl
 IUPAC* Chemical Name: prop-2-yn-1-yl (2R)-2-[4-[(5-chloro-3-fluoropyridin-2-yl)oxy]phenoxy]propanoate *or*
 prop-2-ynyl (R)-2-[4-(5-chloro-3-fluoro-2-pyridyloxy)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 chemistry requirements for Clodinafop-propargyl Technical Active Ingredient have been fulfilled.

Health Assessments

The addition of an alternate source of technical clodinafop-propargyl results in a product that is chemically equivalent to the registered source. Consequently no toxicological data were submitted or are required.

Environmental and Value Assessment

Environmental and value assessments were not required for this application.

Conclusion

The PMRA has conducted a review of the information in support of this application and has determined that the addition of a new source for Clodinafop-Propargyl Technical Active Ingredient is acceptable.

References

- 2373458 2013, Clodinafop-propargyl Technical (CGA184927) - Analytical Method SA-67/1, DACO: 2.13.1, IIA 4.2.1 CBI
- 2373459 2013, Clodinafop-propargyl - Validation of Analytical Method SA-67/1 Final report, DACO: 2.13.1, IIA 4.2.1 CBI
- 2401046 2014, Response to chemistry clarification, DACO: 2.13.1, 2.13.2, 2.13.3 CBI
- 2401048 2014, Reference standards certificates of analysis, DACO: 2.13.2 CBI
- 2413065 2014, Clodinafop-Propargyl Technical AI_27430_Response to clarification_2014-04-15, DACO: 2.13.1 CBI

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