

Evaluation Report for Category B, Subcategory 1.1, 1.3 Application

Application Number: 2022-1233
Application: Changes to TGAI; Product Chemistry, New Source and Specifications
Product: Clodinafop-Propargyl Technical Active Ingredient
Registration Number: 27430
Active ingredients (a.i.): Clodinafop-propargyl
PMRA Document Number: 3456640

Purpose of Application

The purpose of this application was to register a new source for Clodinafop-Propargyl Technical Active Ingredient.

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 Assessments

The new source of clodinafop-propargyl results in a product that is chemically equivalent to the registered source. Subsequently, no toxicology data were submitted or are required.

Occupational and residue assessments were not required for this application.

Environmental and Value Assessments

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 a new source to the registration of Clodinafop-Propargyl Technical Active Ingredient.

References

PMRA

Document

Number	Reference
3333675	2022, Clodinafop-Propargyl Technical (CGA184927) Manufacturing Process Description and Supporting Data, 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

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