

Evaluation Report for Category B, Subcategory 1.1 Application

Application Number: 2014-6016
Application: Changes to TGAI Product Chemistry – New Source (site) same registrant
Product: Clodinafop-propargyl Agrogill Technical Grade Active Ingredient
Registration Number: 29425
Active ingredients (a.i.): Clodinafop-propargyl
PMRA Document Number : **2572682**

Purpose of Application

The purpose of this application was to add a new manufacturing site for the product Clodinafop-propargyl Agrogill Technical Grade Active Ingredient.

Chemistry Assessment

Common Name: Clodinafop-propargyl
IUPAC* Chemical Name: prop-2-yn-1-yl (2*R*)-2-[4-[(5-chloro-3-fluoropyridin-2-yl)oxy]phenoxy]propanoate
CAS† Chemical Name: 2-propynyl (2*R*)-2-[4-[(5-chloro-3-fluoro-2-pyridinyl)oxy]phenoxy]propanoate

* International Union of Pure and Applied Chemistry

† Chemical Abstracts Service

Clodinafop-propargyl Agrogill Technical Grade Active Ingredient has the following properties:

Property	Result
Colour and physical state	Colourless solid
Nominal concentration	98%
Odour	odourless
Density at 20°C	1.369 g/mL
Vapour pressure	3.19×10^{-3} mPa (at 25°C)
pH	6.86

Property	Result	
Solubility in water at 20°C	<u>pH</u>	<u>Solubility (mg/L)</u>
	7	4 (at 25°C)
	5.01	3.31
	7.05	3.65
	9.03	3.86
n-Octanol/water partition coefficient	Log K _{ow} = 3.9	

The required chemistry data for Clodinafop-propargyl Agrogill Technical Grade 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 available information and is able to support the addition of a new manufacturing site for the product Clodinafop-propargyl Agrogill Technical Grade Active Ingredient.

References

PMRA Document Number	References
2485892	2014, Clodinafop-propargyl, Summary of the manufacturing process. DACO: 2.11.1 CBI
2485893	2014, Description of raw materials used to product Clodinafop-Propargyl, DACO: 2.11.2 CBI
2485901	2014, Detailed Manufacturing Process of Clodinafop-Propargyl Technical, DACO: 2.11.3 CBI
2485902	2014, Justification of Presence of Impurities of Clodinafop-Propargyl Technical, DACO: 2.11.4 CBI
2485903	2014, Certification of Limits, DACO: 2.12.1 CBI
2485904	2014, Chemical Composition of Five Batches of Clodinafop-Propargyl technical Preliminary Analysis and enforcement analytical methods for Clodinafop-Propargyl: fulfilling the requirements of OPPTS guidelines 830.1700 and 830.1800 and EU Commission regulation No. 283/2013, DACO: 2.13.1,2.13.2,2.13.3 CBI
2503891	2014, chemical composition of five batches of clodinafop-propargyl technical preliminary analysis and enforcement analytical methods for Clodinafop-Propargyl TGAI: fulfilling the Requirements of OPPTS Guideline 830.1700 and

2503892 830.1800 and EU Commission regulation No., 283/2013, DACO: 2.13.1 CBI
2015, Clarification response, DACO: 2.13.1 CBI

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