

## Evaluation Report for Category B, Subcategory 1.1 and 1.3 Application

**Application Number:** 2015-1127  
**Application:** Changes to Product Chemistry – New source (site) same registrant  
 Changes to Product Chemistry – Specifications  
**Product:** Cheminova Clodinafop-propargyl Technical Herbicide  
**Registration Number:** 30083  
**Active ingredients (a.i.):** Clodinafop-propargyl [CFP]  
**PMRA Document Number :** 2586296

### Purpose of Application

The purpose of this application was to amend the technical product Cheminova Clodinafop-propargyl Technical Herbicide and to add a new alternate source. In addition, the manufacturing process for this new site has also changed as indicated by the impurity profile on the specification form.

### 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

Cheminova Clodinafop-propargyl Technical Herbicide has the following properties:

Property	Result
Colour and physical state	Beige solid
Nominal concentration	98.8%
Odour	Odourless
Density	1.37 g/cm <sup>3</sup>
Vapour pressure	3.19 x 10 <sup>-3</sup> mPa (at 25°C)
pH	N/A

Property	Result
Solubility in water	4.0 mg/mL (25°C, pH 7)
n-Octanol/water partition coefficient	Log K <sub>ow</sub> = 3.9 (25°C)

The required chemistry data for Cheminova Clethodim Technical Herbicide have been provided, reviewed, and found to be acceptable.

### Health Assessments

The new source of clodinafop-propargyl technical herbicide is considered to be toxicologically equivalent to the registered source. Subsequently, no toxicological data were submitted or are required.

Exposure 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 in support of the product, Cheminova Clodinafop-propargyl Technical Herbicide, and has found the information sufficient to add a new alternate source and change the manufacturing process for this new site.

### References

PMRA Document Number	Reference
2515028	2015, Chemistry Requirements for the Registration of a Technical Grade of Active Ingredients or Integrated System Product, DACO: 2.0 CBI
2515029	2015, CIL manufacturing process +discussion of impurities, DACO: 2.11.1,2.11.2,2.11.3,2.11.4 CBI
2515030	2014, Identification and determination of active ingredient Clodinafop-Propargyl (CAS No. 105512-06-9) and impurities in five samples of Clodinafop-Propargyl Technical, Batch Nos.: 131/13, 132/13, 133/13, 134/13 and 135/13, DACO: 2.13.2,2.13.3 CBI
2526938	2015, List of startig materials, DACO: 2.11.2 CBI
2560830	2015, List of startig materials, DACO: 2.11.2 CBI

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