



Evaluation Report for Category B, Subcategory 1.1 Application

Application Number: 2021-6066
Application: Changes Technical Grade Active Ingredient Product Chemistry –
New Source (site) same registrant
Product: Quizalofop-P-ethyl Technical Herbicide
Registration Number: 25461
Active ingredient (a.i.): Quizalofop-P-ethyl
PMRA Document Number: 3416656

Purpose of Application

The purpose of this application was to register a new source of quizalofop-P-ethyl for Quizalofop-P-ethyl Technical Herbicide.

Chemistry Assessment

Common Name: quizalofop-P-ethyl
IUPAC* Chemical Name: ethyl (2*R*)-2-{4-[(6-chloroquinoxalin-2-yl)oxy]phenoxy}propionate
CAS† Chemical Name: ethyl (2*R*)-2-[4-[(6-chloro-2-quinoxalinyloxy]phenoxy]propanoate

* International Union of Pure and Applied Chemistry

† Chemical Abstracts Service

Quizalofop-P-ethyl Technical Herbicide has the following properties:

Property	Result
Colour and physical state	White solid
Nominal concentration	98%
Odour	Odourless
Density	1.36 g/cm ³ at 21°C
Vapour pressure	1.1 × 10 ⁻⁷ Pa (at 20°C)
pH	7 – 7.5
Solubility in water	0.4 ppm (20°C)

Property	Result
n-Octanol/water partition coefficient	Log K _{ow} = 4.61

The required chemistry data for Quizalofop-P-ethyl Technical Herbicide 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 it sufficient to support the registration of a new source of quizalofop-P-ethyl for Quizalofop-P-ethyl Technical Herbicide.

References

PMRA Document Number	References
3290131	2020, Quizalofop-P-Ethyl Technical: Product Identity, Descriptions of Materials Used to Produce the Product and the Production Process, Discussion of Formation of Impurities and Certified Limits, DACO: 2.11 CBI
3290132	2020, Preliminary Analysis, Enforcement Analytical Method & Qualitative and Quantitative Profile of the test substance Quizalofop-P-Ethyl Technical (Five Batch Analysis), DACO: 2.13.1,2.13.2,2.13.3 CBI
3290133	2020, Preliminary Analysis and Enforcement Analytical Method of Quizalofop-P-ethyl TC, DACO: 2.13.1,2.13.2 CBI

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