



Evaluation Report for Category B, Subcategory 1.1 Application

Application Number: 2019-0870
Application: Changes to TGAI Product Chemistry-New Source (site) Same Registrant
Product: Quizalofop p-ethyl MUP Herbicide
Registration Number: 29392
Active ingredient (a.i.): Quizalofop-p-ethyl
PMRA Document Number: 3104863

Purpose of Application

The purpose of this application was to add a new source of active ingredient to a registered product, Quizalofop p-ethyl MUP Herbicide.

Chemistry Assessment

Common Name: Quizalofop-p-ethyl
IUPAC* Chemical Name: ethyl (2*R*)-2-[4-(6-chloroquinoxalin-2-yloxy)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 MUP Herbicide has the following properties:

Property	Result
Colour and physical state	White crystalline solid
Nominal concentration	98.0%
Odour	odourless
Density	1.36 g/cm ³
Vapour pressure	1.1 x 10 ⁻⁷ Pa (at 20°C)
pH	6.5 ± 0.5 (1% solution in water)
Solubility in water	0.61 mg/L (20°C)
n-Octanol/water partition coefficient	log K _{ow} = 4.61

The required chemistry data for Quizalofop p-ethyl MUP 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 the new source of active ingredient for Quizalofop p-ethyl MUP Herbicide.

References

PMRA

Document

Number	Reference
3101530	2019, REVISED - Manufacturing Process of Quizalofop-P-Ethyl in [CBI removed] Manufacturing Plant, DACO: 2.11.3 CBI
2967316	2019, Manufacturing Process of Quizalofop-P-Ethyl in [CBI removed] Manufacturing Plant, DACO: 2.11.1, 2.11.2, 2.11.3, 2.11.4, 2.12.1, 2.13.1, 2.13.2, 2.13.3 CBI
2967317	2019, Five batch analysis of quizalofop-P-ethyl technical product, DACO: 2.12.1, 2.13.2, 2.13.3 CBI
3046974	2019, Discussion of Formation of Impurities / Batch Analysis, DACO: 2.11.4, 2.13.3 CBI

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