

Evaluation Report for Category B, Subcategory 1.3 Application

Application Number: 2016-1937
Application: Changes TGAI or ISP Prod Chemistry-Specifications
Product: Quizalofop P-ethyl MUP Herbicide
Registration Number: 29392
Active ingredients (a.i.): Quizalofop P-ethyl
PMRA Document Number: 2724008

Purpose of Application

The purpose of this application was to amend the specifications for a manufacturing site.

Chemistry Assessment

Common Name: Quizalofop-P-Ethyl
IUPAC* Chemical Name: Ethyl (2*R*)-2-[4-[(6-chloroquinoxalin-2-yl)oxy]phenoxy]propanoate

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 solid
Nominal concentration	96.58%
Odour	Odourless
Density	1.36 g/cm ³
Vapour pressure	1.1 × 10 ⁻⁷ Pa at 20°C
pH	7.29
Solubility in water	0.61 mg/L at 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 Assessments

The proposed amendment to the specification of Quizalofop P-ethyl MUP Herbicide did not result any changes of toxicological concern. Subsequently, no toxicological data were reviewed or are required.

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 is able to continue to support the registration of the technical grade active ingredient Quizalofop P-ethyl MUP Herbicide.

References

PMRA Document Number	Reference
2413238	2013, Product chemistry of Quizalofop-Pethyl Technical Product, DACO: 2.11.1,2.11.2,2.11.3,2.11.4 CBI
2629818	2016, Applicants and Manufacturers update, DACO: 2.1,2.2 CBI
2629819	2016, Five Batch Analysis of Quizalofop-P-ethyl Technical Product, DACO: 2.13.3 CBI
2634391	2016, Updated Certified Limits, DACO: 2.12.1 CBI
2634392	2015, Validation of analytical method for the determination of QHQET in Quizalofop-Pethyl technical product, DACO: 2.13.1 CBI
2634393	1995, Validation of analytical method for impurities in Quizalofop-P-ethyl TGAI, DACO: 2.13.1 CBI
2634394	1999, Validation for determination of Quizalofop-P-ethyl in Technicla Product, DACO: 2.13.1 CBI
2712506	DACO: 2.0_DOC
2715884	2017, [CBI Removed] to LOD/LOQ and Manufacturing Dates, DACO: 2.13.1,2.13.3 CBI
2716099	2017, [CBI Removed] to LOD/LOQ and Manufacturing Dates, DACO: 2.13.1,2.13.3 CBI

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