

Evaluation Report for Category B, Subcategory 1.1, 1.3 Application

Application Number: 2007-4580
Application: B.1.1, B.1.3 Changes to TGAI product chemistry- new source and changes to product chemistry specifications
Product: Quizaolofop p-ethyl Technical Herbicide
Registration Number: 25461
Active ingredients (a.i.): quizalofop p-ethyl
PMRA Document Number: 1706620

Purpose of Application

E.I. Du Pont Canada has submitted an application to add two additional sources of the technical grade active ingredient (TGAI) and to amend the package size and type.

Chemistry Assessment

Common Name: Quizalofop-p-ethyl
Chemical Name: Ethyl (R)-2-[4-(6-chloroquinoxalin-2-yloxy)phenoxy]propionate

Quizalofop p-ethyl Technical Herbicide has the following properties

Property	Result
Colour and physical state	White crystalline solid
Nominal concentration	98% nominal
Odour	Odourless
Density	1.36 g/mL
Vapour pressure	1.1×10^{-7} Pa
pH	7.29
Solubility in water	0.4 ppm
n-Octanol/water partition coefficient	$\log K_{ow} = 4.61$

The chemistry requirements for Quizalofop P-Ethyl Technical Herbicide have been completed.

Health Assessments

A toxicology assessment was not required as there was no change to the technical grade active.

The food residue risk profiles of the two new sources of Quizalofop-p-ethyl Technical Herbicide are expected to be similar to the registered source as they are all chemically equivalent. Therefore, no increase in dietary exposure is anticipated.

Environmental Assessment

An environmental assessment was not required for this application.

Value Assessment

A value assessment was not required for this application.

Conclusion

The PMRA has completed the assessment of this application and can support the two additional sources of the TGAI as well as the request to amend the package size and type.

References

Studies/Information Provided by Applicant/Registrant

- | | |
|---------|---|
| 1442069 | 2006, Technical Grade Quizalofop-P-Ethyl (DPX-79376) Manufacturing Description and Formation of Impurities, DuPont-19654, MRID: n/a, DACO: 2.11,2.11.1,2.11.2,2.11.3,2.11.4,2.2 |
| 1442070 | 2006, Technical Grade Quizalofop-P-Ethyl (DPX-79376) Manufacturing Description and Formation of Impurities, DuPont-19654, MRID: n/a, DACO: 2.11,2.11.1,2.11.2,2.11.3,2.11.4,2.2 CBI |
| 1442071 | 2006, Technical Grade Quizalofop P-Ethyl (DPX-79376) Certified Limits, n/a, MRID: n/a, DACO: 2.12.1 |
| 1442072 | 2006, Technical Grade Quizalofop P-Ethyl (DPX-79376) Certified Limits, n/a, MRID: n/a, DACO: 2.12.1 CBI |
| 1442073 | 2006, Quizalofop-P-Ethyl Technical (DPX-79376) Analysis of Product Ingredients for Quizalofop-P-Ethyl Technical Produced at AnHui FengLe Agrochemical Co. Ltd., China, DuPont-19173, MRID: n/a, DACO: 2.13,2.13.1, 2.13.2,2.13.3,2.13.4 |
| 1442074 | 2006, Quizalofop-P-Ethyl Technical (DPX-79376) Analysis of Product Ingredients for Quizalofop-P-Ethyl Technical Produced at AnHui FengLe Agrochemical Co. Ltd., China, DuPont-19173, MRID: n/a, DACO: 2.13,2.13.1, 2.13.2,2.13.3,2.13.4 CBI |
| 1442075 | 2006, Quizalofop-P-Ethyl Technical (DPX-79376) Analysis of Product Ingredients for Quizalofop-P-Ethyl Technical Produced at ShanDong JingBo Agrochemical Co. Ltd., China, DuPont-19531, MRID: n/a, DACO: 2.13,2.13.1, 2.13.2,2.13.3,2.13.4 |

1442076 2006, Quizalofop-P-Ethyl Technical (DPX-79376) Analysis of Product
Ingredients for Quizalofop-P-Ethyl Technical Produced at ShanDong JingBo
Agrochemical Co. Ltd., China, DuPont-19531, MRID: n/a, DACO: 2.13,2.13.1,
2.13.2,2.13.3,2.13.4 CBI

1650918 2008, 25461-20081014 Detailed production process description, na, MRID: na,
DACO: 2.11.3

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