

Evaluation Report for Category B, Subcategory 1.1 and 1.3 Application

Application Number: 2008-5068
Application: B.1.1 New TGAI Chemistry Source
 B.1.3 Changes to TGAI Chemistry-Specifications
Product: PURSUIT Technical Herbicide (AC 263,499)
Registration Number: 21536
Active ingredients (a.i.): Imazethapyr (IMP)
PMRA Document Number English PDF: 2012031

Purpose of Application

The purpose of this application was to add new sources, change the way the guarantee is expressed and update the chemistry specifications.

Chemistry Assessment

Common Name: imazethapyr
Chemical Name: (±)-2-[4,5-dihydro-4-methyl-4-(1-methylethyl)-5-oxo-1*H*-imidazol-2-yl]-5-ethyl-3-pyridinecarboxylic acid

PURSUIT Technical Herbicide (AC 263,499) has the following properties:

Property	Result
Colour and physical state	off-white dust
Nominal concentration	97.3%
Odour	slightly pungent
Bulk density (25°C)	0.459 g/mL
Vapour pressure (60°C)	<0.0133 mPa
pH	2.85
Solubility in water (25°C)	0.14 g/100 mL
n-Octanol/water partition coefficient	Log K _{ow} = 1.04 (pH = 5) Log K _{ow} = 1.49 (pH = 7) Log K _{ow} = 1.20 (pH = 9)

The chemistry requirements for PURSUIT Technical Herbicide (AC 263,499) have been completed with the exception of analytical data from one of the new sources.

Health Assessments

An occupational exposure assessment was not required for this application.

The new sources for PURSUIT Technical Herbicide (AC 263, 499) are considered chemically equivalent to the precedent registered product. The toxicity profile is therefore not expected to be significantly different and no toxicological data were required.

The chemistry evaluation concluded that the new sources of the technical are chemically equivalent to the currently registered source; the change in the way the guarantee is expressed for the technical will not change the concentrations of imazethapyr or the use rate in the end-use products. Therefore, no impact on the magnitude of residues is expected. Consequently, 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 Pest Management Regulatory Agency has completed an assessment of the information provided in support for the product, PURSUIT Technical Herbicide (AC 263,499) and has found the information sufficient to support full registration of the new sources with the condition of providing analytical data from one of the new sources. The change in the way the guarantee is expressed and updated chemistry specifications are acceptable.

References

PMRA

Number	Title
1665718	2008, Chemistry Requirements for the Registration of a Technical Grade of Active Ingredient (TGAI) or an Integrated System Product (ISP), DACO: 2.1,2.2
1665719	2008, Product Identity and Composition of Imazethapyr for Syrici Source Change, DACO: 2.11,2.11.1,2.11.2,2.11.3,2.11.4 CBI
1665720	2008, Product Identity and Composition of Imazethapyr for Cynda Source Change, DACO: 2.11,2.11.1,2.11.2,2.11.3,2.11.4 CBI
1665721	2008, Pursuit technical manufacturing QC data (Years 2000 - 2006), DACO: 2.12.1 CBI
1665722	2008, Chemical analysis of five batches Imazethapyr technical grade active ingredient (TGAI) manufactured at SYRICI, China, DACO: 2.13,2.13.1,2.13.2,2.13.3 CBI
1665733	2008, Chemical analysis of five batches Imazethapyr technical grade active ingredient (TGAI) manufactured at CYNDA, China, DACO: 2.13,2.13.1,2.13.2,2.13.3 CBI
1665742	2008, Selective Minor Component Analysis for 5 Lots of Technical Imazethapyr, DACO: 2.13,2.13.1,2.13.2 CBI
1834657	2009, RE: Submission Number 2008-5068 Chemistry clarification: Imazethapyr, DACO: 0.8

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