

Evaluation Report for Category B, Subcategory 4.6 Application

Application Number: 2016-0949
Application: Submission to fulfill requirements of registration on a product with full registration
Product: Benzovindiflupyr Technical
Registration Number: 31520
Active ingredients (a.i.): Benzovindiflupyr
PMRA Document Number: 2667307

Purpose of Application

The purpose of this application was to fulfill the outstanding chemistry requirements for Benzovindiflupyr Technical.

Chemistry Assessment

Common Name: Benzovindiflupyr
IUPAC* Chemical Name: *rac-N-[(1R,4S)-9-(dichloromethylidene)-1,2,3,4-tetrahydro-1,4-methanonaphthalen-5-yl]-3-(difluoromethyl)-1-methyl-1H-pyrazole-4-carboxamide*
CAS† Chemical Name: *N-[9-(dichloromethylene)-1,2,3,4-tetrahydro-1,4-methanonaphthalen-5-yl]-3-(difluoromethyl)-1-methyl-1H-pyrazole-4-carboxamide*

* International Union of Pure and Applied Chemistry

† Chemical Abstracts Service

Benzovindiflupyr Technical has the following properties:

Property	Result
Colour and physical state	White powder
Nominal concentration	97%
Odour	Odourless
Density	1.466 g/cm ³
Vapour pressure	3.2 × 10 ⁻⁹ Pa
pH	6.9
Solubility in water	0.98 mg/L

Property	Result
n-Octanol/water partition coefficient	Log K _{ow} = 4.3 at 25°C

The required chemistry data for Benzovindiflupyr Technical 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 for Benzovindiflupyr Technical and has determined it sufficient to fulfill the outstanding chemistry requirements.

References

PMRA Document Number	References
2608529	2016, Method of Manufacture, DACO: 2.11.3 CBI
2608530	2015, Benzovindiflupyr - Analysis of Five Representative Batches Produced at [Privacy Removed], DACO: 2.13.3 CBI

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