



Evaluation Report for Category L, Subcategory 1.1 Application

Application Number: 2022-1738
Application: Application Subject to Protection of Proprietary Interests in Pesticide Data (PPIP) Policy – Equivalency/Data Compensation Assessment
Product: Justify 99%
Registration Number: 35049
Active ingredient (a.i.): Diflubenzuron
PMRA Document Number : 3494807

Purpose of Application

The purpose of this application was to register a new source of diflubenzuron, under Justify 99%, based on a registered precedent product.

Chemistry Assessment

Common Name: Diflubenzuron
IUPAC* Chemical Name: *N*-[(4-chlorophenyl)carbamoyl]-2,6-difluorobenzamide
CAS† Chemical Name: *N*-[[(4-chlorophenyl)amino]carbonyl]-2,6-difluorobenzamide

* International Union of Pure and Applied Chemistry

† Chemical Abstracts Service

Justify 99% has the following properties:

Property	Result
Colour and physical state	White crystalline solid
Nominal concentration	99.0%
Odour	Odourless
Density	1.50-1.60 g/mL
Vapour pressure	$\leq 1.2 \times 10^{-4}$ mPa
pH	N/A – product is solid
Solubility in water	0.08 mg/L (pH 7)
n-Octanol/water partition coefficient	$\log K_{ow} = 3.89$ (pH 3)

The required chemistry data for Justify 99.0% 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 the information acceptable to support the registration of Justifly 99%.

References

PMRA

Document

Number	Reference
3346712	2016, Forced Degradation Report, DACO: 2.14.12,2.14.13
3346717	2016, Drug Master File - Diflubenzuron, DACO: 2.11,2.11.1,2.11.2,2.11.3,2.11.4, 2.13.2,2.14.1,2.14.12,2.14.14,2.14.2,2.14.3, 2.14.7,2.14.8,2.2,2.3.1,2.4,2.5,2.6,2.7, 2.8,2.9 CBI
3368065	2022, Product Chemistry, DACO: 2.1,2.14.10,2.14.11,2.14.4,2.14.6, 2.14.9,2.2, 2.3,2.3.1
3487273	2023, Diflubenzuron Technical Preliminary Analysis of Test Material (5- Batch Analysis), DACO: 2.13,2.13.2,2.13.3,2.13.4
3487275	2023, Diflubenzuron Technical Preliminary Analysis of Test Material (5 Batch Analysis) CONFIDENTIAL ATTACHMENT, DACO: 2.13,2.13.2,2.13.3,2.13.4

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