

Evaluation Report for Category B, Subcategory 1.1, 1.3 Application

Application Number: 2016-7860
Application: New / Changes TGAI Product Chemistry - New Source (Same Registrant); Specifications
Product: Nufarm Pyraflufen-ethyl Technical
Registration Number: 31257
Active ingredient (a.i.): Pyraflufen-ethyl
PMRA Document Number : 2823643

Purpose of Application

The purpose of this application was to register a new source for Nufarm Pyraflufen-ethyl Technical.

Chemistry Assessment

Common Name: Pyraflufen-ethyl
IUPAC* Chemical Name: ethyl [2-chloro-5-(4-chloro-5-difluoromethoxy-1-methylpyrazol-3-yl)-4-fluorophenoxy]acetate
CAS† Chemical Name: ethyl 2-[2-chloro-5-[4-chloro-5-(difluoromethoxy)-1-methyl-1H-pyrazol-3-yl]-4-fluorophenoxy]acetate

* International Union of Pure and Applied Chemistry

† Chemical Abstracts Service

Nufarm Pyraflufen-ethyl Technical has the following properties:

Property	Result
Colour and physical state	White powder
Nominal concentration	97.5%
Odour	No detectable odour
Density	1.5760 g/cm ³ at 19.2°C
Vapour pressure	1.6 x 10 ⁻⁸ Pa (at 25°C)
pH	4.27 (1% solution)
Solubility in water	0.082 mg/L (20°C)
n-Octanol/water partition coefficient	Log K _{ow} = 3.49

The required chemistry data for Nufarm Pyraflufen-ethyl Technical have been provided, reviewed, and found to be acceptable.

Health Assessments

The new source for Pyraflufen-ethyl Technical is toxicologically equivalent to the precedent source. Subsequently, no toxicological data were reviewed or are required.

Occupational and dietary exposure assessments were not required for this application.

Value and Environmental Assessments

Value and environmental 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 sufficient to support the registration of the new source for Nufarm Pyraflufen-ethyl Technical.

References

PMRA Document Number	Reference
2708429	2016, Pyraflufen-ethyl - Summary - Report PE-RK-121216, DACO: 2.1,2.2,2.3, 2.3.1,2.4,2.5,2.6,2.7,2.8,2.9 CBI
2708430	2016, A Rationale in Support of a Request for a Waiver of the Description of Manufacturing Methods for the TGAI and New Chemical and Physical Property Analysis for a New Source of Pyraflufen-ethyl Technical, DACO: 2.11,2.14 CBI
2708431	2007, (Pyraflufen-ethyl) ET-751: Technical Active Ingredient (TGAI)- Alternate Technical Source Product Properties, Group A-Product Identity, Composition, and Analysis, DACO: 2.11.1,2.11.2,2.11.3,2.11.4 CBI
2708432	2016, Analytical Profile of Five Representative Batches of Pyraflufen-ethyl Technical (Produced by [Privacy Information Removed]), DACO: 2.13.1,2.13.2,2.13.3,2.13.4 CBI
2807220	2017, Content Analysis of Pyraflufen-Ethyl Tech, DACO: 2.13.1 CBI

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