



## Evaluation Report for Category B, Subcategory 1.1 Application

**Application Number:** 2018-1524  
**Application:** Changes TGAI Prod Chemistry-New Source(site) same registrant  
**Product:** Nufarm Pyraflufen-ethyl Technical  
**Registration Number:** 31257  
**Active ingredient (a.i.):** Pyraflufen-ethyl  
**PMRA Document Number :** 2980692

### Purpose of Application

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

### Chemistry Assessment

Common Name: Pyraflufen-ethyl  
IUPAC\* Chemical Name: ethyl [2-chloro-5-(4-chloro-5-difluoromethoxy-1-methyl-1*H*-pyrazol-3-yl)-4-fluorophenoxy]acetate  
CAS† Chemical Name: ethyl 2-[2-chloro-5-[4-chloro-5-(difluoromethoxy)-1-methyl-1*H*-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	Cream solid
Nominal concentration	97.5%
Odour	No detectable odour
Density	1.565 at 24°C
Vapour pressure	$1.6 \times 10^{-8}$ Pa at 25°C
pH	4.27 (1% solution)
Solubility in water	0.082 mg/L at 20°C
n-Octanol/water partition coefficient	Log Kow = 3.49

The required chemistry data for Nufarm Pyraflufen-ethyl 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, and has found it sufficient to register the new manufacturing site for Nufarm Pyraflufen-ethyl Technical.

## **References**

### **PMRA**

#### **Document**

<b>Number</b>	<b>Reference</b>
2872809	2018, Pyraflufen-ethyl - Summary - Report PE-RK-200418, DACO: 2.1,2.2,2.3,2.3.1,2.4,2.5,2.6,2.7,2.8,2.9 CBI
2872810	2018, 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
2872811	2000, (Pyraflufen-ethyl) ET-751: Technical Active Ingredient (TGAI) and ET-51 2.5%EC (End Use Product), DACO: 2.11.1,2.11.2,2.11.3,2.11.4 CBI
2872812	2012, Analytical Profile of Five Representative Batches of Pyraflufen-ethyl Technical (Produced by [CBI Removed]), DACO: 2.13.1,2.13.2,2.13.3,2.13.4 CBI

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