



## Evaluation Report for Category B, Subcategory 4.6 Application

**Application Number:** 2012-3335  
**Application:** Submission to fulfill conditions of registration on a product with full registration  
**Product:** MANA Fenoxaprop-P-ethyl Technical Herbicide  
**Registration Number:** 29250  
**Active ingredients (a.i.):** Fenoxaprop-P-ethyl  
**PMRA Document Number:** 2263567

### Background

MANA Fenoxaprop-P-ethyl Technical Herbicide (Registration No. 29250) has been registered since February 25, 2009. The active, fenoxaprop-P-ethyl, was re-evaluated by the PMRA and one of the conditions for continued registration is the requirement for additional chemistry data, specifically, analytical data from at least five batches of fenoxaprop-P-ethyl for all identifiable dioxins and furans.

### Purpose of Application

The purpose of application was to fulfill the requirement of continued registration as a result of the re-evaluation of fenoxaprop-P-ethyl.

### Chemistry Assessment

Common Name: Fenoxaprop-P-ethyl  
IUPAC Chemical Name: Ethyl (*R*)-2-[4-(6-chloro-1,3-benzoxazol-2-yloxy)phenoxy]propionate  
or  
Ethyl (*R*)-2-[4-(6-chlorobenzoxazol-2-yloxy)phenoxy]propionate  
CAS Chemical Name: Ethyl (2*R*)-2-[4-[(6-chloro-2-benzoxazolyl)oxy]phenoxy]propanoate

MANA Fenoxaprop-P-ethyl Technical Herbicide has the following properties:

Property	Result
Colour and physical state	White solid
Nominal concentration	96.23%
Odour	Faint odour
Density	0.410-0.416 g/mL (tap density)
Vapour pressure	$3.0 \times 10^{-2}$ mPa (25°C)
pH	N/A
Solubility in water	615 µg/L (10°C); 801 µg/L (20°C); 1172 µg/L (30°C)
n-Octanol/water partition coefficient ( $K_{ow}$ )	$\log K_{ow} = 4.58$ at pH 5.56

The chemistry requirements for MANA Fenoxaprop-P-ethyl Technical Herbicide have been completed.

### **Health Environmental and Value Assessments**

Health, environmental and value assessments were not required for this application.

### **Conclusion**

The PMRA has conducted a review of the submitted information and has determined that the chemistry data requirement has been fulfilled.

## References

### Studies/Information Provided by Applicant/Registrant

- 2219593      2008, Determination of Polychlorinated Di-benzo-p-Dioxines (PCCDs) and Dibenzofuranes (PCDFs) by GC/HRMS in 5 Batches of Fenpoxaprop-P-Ethyl, DACO: 2.13.4 CBI
- 2219594      2012, Amendment to GLP Final Report-Determination of Polychlorinated Di-benzo-p-Dioxines (PCCDs) and Dibenzofuranes (PCDFs) by GC/HRMS in 5 Batches of Fenpoxaprop-P-Ethyl, DACO: 2.13.4 CBI

ISSN: 1911-8082

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