

## Evaluation Report for Category B.1.3,B.4.6 Application

**Application Number:** 2012-2371  
**Application:** Specifications, Fulfilling conditions of registration  
**Product:** Fenoxaprop-P-Ethyl Technical Herbicide  
**Registration Number:** 21903  
**Active ingredients (a.i.):** Fenoxaprop-P-Ethyl [FPF]  
**PMRA Document Number:** **2258726**

### Purpose of Application

The purpose of this submission is to fulfill the conditions for continued registration as a result of the re-evaluation of Fenoxaprop-p-ethyl (*PRVD2011-04 - Fenoxaprop-P-ethyl*). The conditions were for submission of data on impurities of human health.

### 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 (*2R*)-2-[4-[(6-chloro-2-benzoxazolyl)oxy]phenoxy]propanoate

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

Property	Result
Colour and physical state	White solid
Nominal concentration	95%
Odour	Odourless
Density	1.3 g/cm <sup>3</sup>
Vapour pressure	5.3 x 10 <sup>-4</sup> mPa (20°C)
pH	3-5 (10% suspension)
Solubility in water	0.7 mg/L (pH 5.8, 20°C)
n-Octanol/water partition coefficient (K <sub>ow</sub> )	log K <sub>ow</sub> = 4.58

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

### Health Assessments

The impurities in fenoxaprop-p-ethyl have been characterized and there are no impurities of toxicological concern.

No food or occupational exposure assessments were required for this application.

### **Environmental and Value Assessment**

No environmental or value assessments were required for this application.

### **Conclusion**

The Pest Management Regulatory Agency has completed an assessment of the information provided to fulfill the conditions for for Fenoxaprop-p-ethyl Technical Herbicide and has found it acceptable for continued registration.

## References

PMRA #	References
--------	------------

2203884	Dibenzofuranes (PCDFs) by GC/HRMS in 5 batches of Fenoxaprop-P-ethyl (AE F046360), technical, DACO: 2.13.4 CBI
---------	--

ISSN: 1911-8082

© Her Majesty the Queen in Right of Canada, represented by the Minister of Public Works and Government Services Canada 2013

All rights reserved. No part of this information (publication or product) may be reproduced or transmitted in any form or by any means, electronic, mechanical photocopying, recording or otherwise, or stored in a retrieval system, without prior written permission of the Minister of Public Works and Government Services Canada, Ottawa, Ontario K1A 0S5.