

## Evaluation Report for Category B, Subcategory 1.3 Application

**Application Number:** 2016-4560  
**Application:** Changes to TGAI Product Chemistry – Specifications  
**Product:** Fenoxaprop-P-ethyl Technical Herbicide  
**Registration Number:** 21903  
**Active ingredient (a.i.):** Fenoxaprop-P-ethyl  
**PMRA Document Number:** 2753097

### Purpose of Application

The purpose of this application was to amend the specifications of the technical product, Fenoxaprop-P-ethyl Technical Herbicide.

### 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

\* International Union of Pure and Applied Chemistry

† Chemical Abstracts Service

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

Property	Result
Colour and physical state	White solid
Nominal concentration	97.0%
Odour	Odourless
Density at 20°C	1.3 g/cm <sup>3</sup>
Vapour pressure at 20°C	5.3 × 10 <sup>-4</sup> mPa
pH	3 – 5 (10% suspension)
Solubility in water at 20-25°C	0.7 mg/L (pH 5.8)

<b>Property</b>	<b>Result</b>
n-Octanol/water partition coefficient	Log K <sub>ow</sub> = 4.58

The required chemistry data for Fenoxaprop-P-ethyl Technical Herbicide have been provided, reviewed, and found to be acceptable.

### **Health Assessments**

The amended Fenoxaprop-P-ethyl Technical Herbicide is considered to be toxicologically equivalent to original. The submitted genotoxicity study indicated that fenoxaprop-P-ethyl is not mutagenic. No other toxicological data are required.

Exposure assessments were not required for this application.

### **Environmental and Value Assessments**

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 determined that the amendments to the specifications of the technical product, Fenoxaprop-P-ethyl Technical Herbicide, can be supported.

## References

### PMRA Document Number

### References

- |         |   |
|---------|---|
| 2667808 | 2016, Manufacturing summary, DACO: 2.1, 2.11, 2.11.1, 2.11.2, 2.11.3, 2.11.4, 2.13.1, 2.13.2, 2.2 CBI         |
| 2669512 | 2015, Material accountability of technical fenoxaprop-P-ethyl (AE F046360) - Final Report -, DACO: 2.13.3 CBI |
| 2667803 | 2015. Fenoxaprop-P-ethyl (AE F046360): <i>Salmonella typhimurium</i> reverse mutation assay, DACO 4.5.4       |

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