

## Evaluation Report for Category B, Subcategory 1.1, 1.3 Application

**Application Number:** 2019-3630  
**Application:** New TGAI Chemistry; New Site and Specifications.  
**Product:** Bumper II (Propiconazole) Technical  
**Registration Number:** 33900  
**Active ingredients (a.i.):** Propiconazole  
**PMRA Document Number:** 3139254

### Purpose of Application

The purpose of this application was to register a source of propiconazole.

### Chemistry Assessment

**Common Name:** Propiconazole  
**IUPAC\* Chemical Name:** (2*RS*,4*RS*;2*RS*,4*SR*)-1-[2-(2,4-dichlorophenyl)-4-propyl-1,3-dioxolan-2-ylmethyl]-1*H*-1,2,4-triazole  
**CAS† Chemical Name:** 1-[[2-(2,4-dichlorophenyl)-4-propyl-1,3-dioxolan-2-yl]methyl]-1*H*-1,2,4-triazole

\* International Union of Pure and Applied Chemistry

† Chemical Abstracts Service

Bumper II (Propiconazole) Technical has the following properties:

Property	Result
Colour and physical state	Pale yellow liquid
Nominal concentration	98.8%
Odour	Pungent to musty-oil odour
Density	1.32 g/cm <sup>3</sup>
Vapour pressure	2.1 × 10 <sup>-5</sup> Pa at 20°C 3.6 × 10 <sup>-5</sup> Pa at 25°C
pH	6 – 7
Solubility in water	150.2 mg/L
n-Octanol/water partition coefficient	Log K <sub>ow</sub> = 3.51 at pH=4.7 Log K <sub>ow</sub> = 3.72 at pH = 6.6

The required chemistry data for Bumper II (Propiconazole) Technical have been provided, reviewed, and found to be acceptable.

### **Health Assessments**

Bumper II (Propiconazole) Technical is considered to be toxicologically equivalent to the precedent product. Consequently, no toxicology data were submitted or are required.

Occupational and residue 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 found the information sufficient to register Bumper II (Propiconazole) Technical.

## References

### PMRA

#### Document

#### Number

#### Reference

- |         |   |
|---------|---|
| 3017589 | 2016, Product Identity and Composition, Description of the Materials Used, Description of the Production Process, Discussion of the Formation of Impurities, and Certified Limits for Propiconazole Technical, DACO: 2.11.1, 2.11.2, 2.11.3, 2.11.4, 2.12.1, 2.13.4, 2.4, 2.5, 2.6, 2.7, 2.8, 2.9 CBI |
| 3017590 | 2012, Preliminary Analysis and Enforcement Analytical Methods for Propiconazole TGAI: Selected Studies to Fulfill the Requirements of OPPTS Guideline 830.1700 and 830.1800 and Regulation (EC) 1107/2009, DACO: 2.13.1, 2.13.2, 2.13.3, 2.13.4 CBI   |

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