

## Evaluation Report for Category B, Subcategory 1.1 Application

**Application Number:** 2016-5161  
**Application:** New TGAI/Product Chemistry - New site/Same registrant  
**Product:** Preventol A12 II  
**Registration Number:** 31821  
**Active ingredient (a.i.):** Propiconazole  
**PMRA Document Number:** 2741056

### Purpose of Application

The purpose of this application was to add a new manufacturing site for Preventol A12 II.

### 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

Preventol A 12 II has the following properties:

Property	Result
Colour and physical state	Yellow liquid
Nominal concentration	98.5%
Odour	Odourless
Density at 20 °C	1.2876 g/mL
Vapour pressure	$7.4 \times 10^{-5}$ Pa (at 25°C)
pH	5.1
Solubility in water	177 mg/L (at 20°C, pH 6.5)
n-Octanol/water partition coefficient	Log $K_{ow}$ = 3.3 (pH 7.3)

The required chemistry data for Preventol A12 II 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 submitted, and has found the information sufficient to support the addition of a new manufacturing site for Preventol A12 II.

## References

<b>PMRA Document Number</b>	<b>Reference</b>
2676125	2016, Applicant's Name and Office Address, Formulating Plant and address, Trade Name and Odour for New Source of Preventol A12 II (Reg. No. 31821), DACO: 2.1,2.14.3,2.2,2.3,2.3.1
2676126	2016, Applicant's Name and Office Address, Formulating Plant and address, Trade Name and Odour for New Source of Preventol A12 II (Reg. No. 31821), DACO: 2.1,2.14.3,2.2,2.3,2.3.1 CBI
2676127	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) No. 1107/2009, DACO: 2.13.1,2.13.2,2.13.3,2.13.4 CBI
2676128	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) No. 1107/2009 - Confidential Attachment, DACO: 2.13.1,2.13.2,2.13.3,2.13.4 CBI
2676129	2016, Determination of Polychlorinated Dibenzo-p-dioxins (PCDDs) and Polychlorinated Dibenzofurans (PCDFs) by GC/HRMS in 5 batches of Propiconazole, DACO: 2.13.4 CBI
2676130	2016, Physico-Chemical Properties of Propiconazole, DACO: 2.14.1,2.14.10,2.14.12,2.14.13,2.14.15,2.14.2,2.14.5,2.14.6,2.16,830.7000
2676131	2016, Partition Coefficient of Propiconazole, DACO: 2.14.11
2676133	2016, Determination of the Water Solubility of Propiconazole, DACO: 2.14.7
2676134	2016, Solubility of Propiconazole in organic solvents, DACO: 2.14.8
2676135	2016, Vapour Pressure, DACO: 2.14.9
2676136	2015, Manufacture Process and Synthesis Pathway, DACO: 2.11.1,2.11.2,2.11.3 CBI
2676137	2015, Formation of Impurities, DACO: 2.11.4 CBI
2737388	2017, Confirmation of the Incorrectly Reported Internal Diameters of Columns, DACO: 2.13.1
2737390	2017, Manufacture Process and Synthesis Pathway Product: Propiconazole Technical Grade Material, DACO: 2.11.3 CBI
2737391	2017, Formation of Impurities, DACO: 2.11.4 CBI

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