



## Evaluation Report for Category B, Subcategory 1.1 Application

**Application Number:** 2008-2542  
**Application:** Changes to TGAI Chemistry-New Source(site) same registrant  
**Product:** Valent Uniconazole-P Technical  
**Registration Number:** 25780  
**Active ingredients (a.i.):** Uniconazole-P  
**PMRA Document Number :** 1824680

### Purpose of Application

The purpose of this application is to add a new source of registered technical, by the same registrant, to the technical active ingredient product Valent Uniconazole-P Technical (Registration Number 25780).

### Chemistry Assessment

Common name: Uniconazole-P

IUPAC Chemical Name: (E)-(S)-1-(4-chlorophenyl)-4,4-dimethyl-2-(1H-1,2,4-triazol-1-yl)pent-1-en-3-ol

CAS Chemical Name: ( $\alpha$ S, $\beta$ E)- $\beta$ -[(4-chlorophenyl)methylene]- $\alpha$ -(1,1-dimethylethyl)-1H-1,2,4-triazole-1-ethanol

Valent Uniconazole-P Technical has the following properties:

| Property                              | Results                                |
|---------------------------------------|--|
| Colour and physical state             | White to pale yellow crystalline solid |
| Nominal concentration                 | 76 %                                   |
| Odour                                 | Faint characteristic odour             |
| Specific gravity                      | 1.28                                   |
| Vapour pressure                       | 5.3 mPa                                |
| pH                                    | 5.7 (for a 1 % solution in water)      |
| Solubility in water                   | 8.41 mg/L                              |
| n-Octanol/water partition coefficient | log Kow = 3.67                         |

The chemistry requirements for Valent Uniconazole-P Technical have been completed.

### Health, Environmental and Value Assessments

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

## Conclusion

The PMRA has completed an assessment of available information for Valent Uniconazole-P Technical and has found the information sufficient to support the addition of the new source for the registered technical product Valent Uniconazole-P Technical.

## References

- 1613443 2005, Product Identity and Composition Description of Materials Used to produce the Product, Manufacturing Process for Uniconazole-P and Discussion of Formation of Impurities, DACO: 2.11.2,2.11.3,2.11.4,2.2,2.4,2.5,2.6,2.7,2.8,2.9 CBI
- 1613444 2006, Analysis of Uniconazole-P, and its Production Process Impurities, in Uniconazole-P Technical; Certification of Ingredient Limits of Uniconazole-P Technical; Enforcement Analytical Method for Determination of Active Ingredient and a Related Isomer in Uniconazole-P Technical Grade; Enforcement Analytical Method for Determination of Production Impurities in Uniconazole-P Technical Grade, DACO 2.12.1,2.13.1,2.13.2,2.13.3 CBI
- 1811391 DACO: 2.11.2,2.13.4 CBI

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