

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

**Application Number:** 2009-1245  
**Application:** B.1.1 (Product Chemistry - new source same registrant)  
**Product:** Terbacil Technical Herbicide  
**Registration Number:** 19276  
**Active ingredients (a.i.):** Terbacil (TER)  
**PMRA Document Number :** 1827257

### Purpose of Application

The purpose of this application was to register a new source of Terbacil Technical Herbicide, under the same registration number, by the same registrant.

### Chemistry Assessment

Terbacil Technical Herbicide is guaranteed to contain Terbacil, 5-chloro-3-(1,1-dimethylethyl)-6-methyl-2,4(1*H*,3*H*)-pyrimidinedione at 98% nominal as determined by HPLC.

Terbacil Technical Herbicide has the following properties:

Property	Result	
Colour and Physical	White, 9.5 on Munsell scale, Solid	
Odour	Odourless	
Melting point/range	175-177°C	
Density at 25°C	1.26-1.54 g/mL	
Water solubility at 20°±0.5°	pH	Solubility g/L
	4.0	0.769
	7.0	0.659
	9.0	0.777
Vapour pressure	4.06 × 10 <sup>-6</sup> Pa at 20°C	
pH	7.2-8.2	
Octanol/water partition coefficient (K <sub>ow</sub> )	pH	log K <sub>ow</sub>
	4.0	2.05 ± 0.007
	7.0	2.12 ± 0.023
	9.0	2.03 ± 0.009

The chemistry requirements for Terbacil Technical Herbicide are complete.

### **Health, Environmental and Value Assessments**

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

### **Conclusion**

The PMRA has reviewed the submitted information and is able to support the registration of the new source of Terbacil Technical Herbicide, under the same registration number, by the same registrant

### **References**

- PMRA 1741766 2009, DACO 2.1 to 2.3, DACO: 2.0,2.1,2.2,2.3,2.3.1 CBI
- PMRA 1741767 2009, Product ID and Composition, Description of Starting Materials Used, Product Process, Formulation of Impurities and Certified Limits for Technical Fosetyl-Al, DACO: 2.11,2.11.1,2.11.2,2.11.3,2.11.4,2.12,2.12.1,2.4,2.5, 2.6, 2.7,2.8,2.9 CBI
- PMRA 1741768 2009, Terbacil: Preliminary Analysis and Enforcement Analytical Method, DACO: 2.13,2.13.1,2.13.2,2.13.3,2.13.4 CBI
- PMRA 1741769 2009, 2.15 Sample, DACO: 2.15 CBI
- PMRA 1811670 2009, DACO 2.13.3 Information on Batch data, DACO: 2.13.3 CBI
- PMRA 1811672 2009, Shipping Documents - Batch Data Samples Max to Case Consulting, DACO: 2.13.3 CBI
- PMRA 1811674 2009, 2.15 Sample, DACO: 2.15 CBI

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