

## Evaluation Report for Category B, Subcategory 1.1 Application

**Application Number:** 2010-2843  
**Application:** New/Changes to the technical grade active ingredient – new source (site) same registrant  
**Product:** Chloro IPC Technical  
**Registration Number:** 24423  
**Active ingredients (a.i.):** Chlorpropham  
**PMRA Document Number (English PDF):** 1988732

### Purpose of Application

The purpose of this application was to add a new manufacturing site of the active ingredient chlorpropham to the currently registered product Chloro IPC Technical, Registration number 24423, by the same registrant.

### Chemistry Assessment

**Common Name:** Chlorpropham  
**Chemical Name:** 1-methylethyl(3-chlorophenyl)carbamate

Chlorpropham IPC Technical has the following properties:

Property	Result								
Colour and physical state	Off-white solid								
Nominal concentration	99.0%								
Odour	No odour to slightly sweet								
Density	1.17-1.19 g/cm <sup>3</sup>								
Vapour pressure	<table border="1"> <thead> <tr> <th>Temperature (°C)</th> <th>Vapour pressure (x 10<sup>-2</sup> Pa)</th> </tr> </thead> <tbody> <tr> <td>25</td> <td>2.46</td> </tr> <tr> <td>35</td> <td>8.02</td> </tr> <tr> <td>45</td> <td>26.5</td> </tr> </tbody> </table>	Temperature (°C)	Vapour pressure (x 10 <sup>-2</sup> Pa)	25	2.46	35	8.02	45	26.5
Temperature (°C)	Vapour pressure (x 10 <sup>-2</sup> Pa)								
25	2.46								
35	8.02								
45	26.5								
pH	5.7-5.9 in 1% aqueous								
Solubility in water	165.5 µg/cm <sup>3</sup>								

Property	Result
n-Octanol/water partition coefficient	log Kow = 3.4

The chemistry requirements for Chlorpropham IPC Technical have been completed.

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

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

### **Conclusion**

The PMRA has conducted a review of the available information for this application and has concluded that the addition of a new source for the production of Chloro IPC Technical is acceptable.

### **References**

PMRA No.	Title
1923004	2010, Chlorpropham Technical, Product Chemistry, Group A: Product Identity, Composition and Analytical Test Guidelines, DACO: 2.1, 2.11.1, 2.11.2, 2.11.3, 2.11.4, 2.12.1, 2.2, 2.3, 2.3.1, 2.4, 2.5, 2.6, 2.7, 2.8, 2.9 CBI
1923005	2010, Product Chemistry for Chlorpropham-Product Identity, Composition and Analysis of Technical Grade Active Ingredient (TGAI) to Determine % Chlorpropham and to Quantify Its Associated Impurities, DACO: 2.13.1, 2.13.2, 2.13.3, 2.13.4 CBI
1923006	2010, Physical and Chemical Properties Testing of Chlorpropham, DACO: 2.14.1, 2.14.2, 2.14.3, 2.14.4, 2.14.6
1969641	2010, Chloro IPC Technical, Submission Number 2010-2843, DACO: 2.13.1, 2.13.3 CBI

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