



Evaluation Report for Category B, Subcategory 1.1 Application

Application Number: 2008-1717
Application: Changes to TGAI Product Chemistry-New Source (site) same registrant
Product: Dowicide 1 Technical
Registration Number: 11980
Active ingredients (a.i.): 2-Phenylphenol
PMRA Document Number: 1772296

Purpose of Application

The purpose of this application was to replace the existing manufacturing site in the USA with two new manufacturing sites in China for the subject product.

Chemistry Assessment

Common Name: 2-phenylphenol
Chemical Name: biphenyl-2-ol

Dowicide 1 Technical has the following properties:

Property	Result								
Colour and physical state	Off-white solid								
Nominal concentration	99.5%								
Odour	Mild phenolic								
Density	0.56-0.66 g/cm ³								
Vapour pressure	2.16 X 10 ⁻⁴ kPa (at 25°C)								
pH	6.1 (1% solution)								
Solubility in water	0.076 g/100 mL in water at pH=5.67 (25°C)								
n-Octanol/water partition coefficient	<table><thead><tr><th>pH</th><th>log Kow (25°C)</th></tr></thead><tbody><tr><td>5</td><td>3.08 ± 0.01</td></tr><tr><td>7</td><td>3.00 ± 0.17</td></tr><tr><td>9</td><td>3.03 ± 0.10</td></tr></tbody></table>	pH	log Kow (25°C)	5	3.08 ± 0.01	7	3.00 ± 0.17	9	3.03 ± 0.10
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5	3.08 ± 0.01								
7	3.00 ± 0.17								
9	3.03 ± 0.10								

The chemistry requirements for Dowicide 1 Technical were completed.

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

Conclusion

Following the review of all available data, the PMRA can support the registration of two new sources of Dowicide 1 Technical.

References

PMRA #	Title
1601396	Data code 2.0, DACO: 2.0 CBI
1601397	Data Code 2.1, DACO: 2.1
1601398	Data Code 2.2, DACO: 2.2 CBI
1601399	Data Code 2.3, DACO: 2.3
1601402	Data code 2.3.1, DACO: 2.3.1
1601403	Data Code 2.4, DACO: 2.4
1601404	Data code 2.5, DACO: 2.5
1601405	Data code 2.6, DACO: 2.6
1601406	Data Code 2.7, DACO: 2.7
1601407	Data Code 2.8, DACO: 2.8
1601408	Data code 2.9, DACO: 2.9
1601409	Data code 2.11, DACO: 2.11 CBI
1601410	Data code 2.11.1, DACO: 2.11.1 CBI
1601411	Data code 2.11.2, DACO: 2.11.2 CBI
1601412	Data code 2.11.3, DACO: 2.11.3 CBI
1601413	Data code 2.11.4, DACO: 2.11.4 CBI
1601414	Data code 2.12, DACO: 2.12
1601415	Data code 2.12.1, DACO: 2.12.1 CBI
1601419	Data code 2.13, DACO: 2.13 CBI
1601420	Data code 2.13.1 - Analytical Method & Validation for the Determination of Active Ingredient and Process Impurities in Ortho-phenylphenol by [CBI REMOVED], DACO: 2.13.1 CBI
1601421	Analytical Method & Validation for the Determination of Active Ingredient and Process Impurities in Ortho-Phenylphenol by [CBI REMOVED], DACO: 2.13.2 CBI
1601422	Preliminary Analysis of ortho-Phenylphenol from Two Separate Vendors, DACO: 2.13.3 CBI
1601423	Data code 2.14, DACO: 2.14 CBI
1601425	Data code 2.14.1, DACO: 2.14.1 CBI
1601426	Data code 2.14.2, DACO: 2.14.2
1601427	Data Code 2.14.3, DACO: 2.14.3
1601428	US EPA, Data Code 2.14.4 - Reregistration Eligibility Decision for 2-Phenylphenol and Salts (Orthophenylphenol or OPP), DACO: 2.14.4
1601429	Data Code 2.14.5, DACO: 2.14.5
1601430	US EPA, Reregistration Eligibility Decision for 2-Phenylphenol and Salts (Orthophenylphenol or OPP), DACO: 2.14.6
1601431	Solubility of DOWICIDE 1 Antimicrobial for Registration, DACO: 2.14.7 CBI
1601432	Solubility of DOWICIDE 1 Antimicrobial for Registration, DACO: 2.14.8 CBI
1601433	Vapor Pressure of Ortho-Phenylphenol Measured By the [CBI REMOVED] Method, DACO: 2.14.9 CBI
1601434	Dissociation of DOWICIDE 1 Antimicrobial, DACO: 2.14.10 CBI

1601435 Octanol/Water Partition Coefficient Determination of DOWICIDE 1 Antimicrobial for Registration, DACO: 2.14.11 CBI

1601436 Stability of DOWICIDE 1 Antimicrobial for Registration, DACO: 2.14.12 CBI

1601437 Stability of DOWICIDE 1 Antimicrobial for Registration, DACO: 2.14.13 CBI

1601438 US EPA, Reregistration Eligibility Decision for 2-Phenylphenol and Salts (Orthophenylphenol or OPP), DACO: 2.14.14

1601439 Data Code 2.15, DACO: 2.15 CBI

1764809 Data code 2.11.2 Clarification Submission, DACO: 2.11.2 CBI

1764810 Data Code 2.11.3 - Clarification Submission, DACO: 2.11.3 CBI

1764814 Date Code 2.13.3 Clarification , DACO: 2.13.3 CBI

1764815 Data code 2.13.4 Clarification , DACO: 2.13.4 CBI

1764816 Data Code 2.14.6 Clarification , DACO: 2.14.6

1764817 Data code 2.15 Clarification , DACO: 2.15

1764822 Data code 2.11.2 Clarification Submission, DACO: 2.11.2 CBI

1764823 Data Code 2.11.3 - Clarification Submission, DACO: 2.11.3 CBI

1764827 Date Code 2.13.3 Clarification , DACO: 2.13.3 CBI

1764828 Data code 2.13.4 Clarification , DACO: 2.13.4 CBI

1764829 Data Code 2.14.6 Clarification , DACO: 2.14.6

1764830 Data code 2.15 Clarification , DACO: 2.15

1765142 Data code 2.11.2 Clarification Submission, DACO: 2.11.2 CBI

1765143 Data Code 2.11.3 - Clarification Submission, DACO: 2.11.3 CBI

1765147 Date Code 2.13.3 Clarification , DACO: 2.13.3 CBI

1765149 Data code 2.13.4 Clarification , DACO: 2.13.4 CBI

1765152 Data Code 2.14.6 Clarification , DACO: 2.14.6

1765153 Data code 2.15 Clarification , DACO: 2.15

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