

Evaluation Report for Category B, Subcategory B.1.1 Application

Application Number: 2007-4600
Application: B.1.1 (Product chemistry - new source (site) same registrant)
Product: Carbendazim Technical
Registration Number: 27184
Active ingredients (a.i.): Carbendazim (CAZ)
PMRA Document Number: 1763758

Purpose of Application

The purpose of this application is to add a new manufacturing site for Carbendazim Technical (Reg. No. 27184).

Chemistry Assessment

Common Name: Carbendazim
Chemical Name: Methyl benzimidazol-2-ylcarbamate

Carbendazim Technical has the following properties:

Property	Result	
Colour and physical state	White crystalline solid	
Nominal concentration	99.0%	
Odour	Odourless	
Density	0.27 g/cm ³ (loose); 0.62 g/cm ³ (packed), 0.40 – 0.50 g/cm ³ at 20°C	
Vapour pressure at 20°C	<1 x 10 ⁻⁷ Pa	
pH	Practically insoluble in water	
Solubility in water at 20°C	<u>pH</u>	<u>Solubility (mg/L)</u>
	4	28
	7	8
	8	7
n-Octanol/water partition coefficient (K _{ow})	Log K _{ow} = 1.49	

The chemistry requirements for Carbendazim Technical have been completed.

Health, Environmental and Value Assessments

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

Conclusion

The PMRA has completed an assessment of all available information and has determined that the new manufacturing site for Carbendazim Technical is acceptable.

References

7.1.1 Studies/Information Provided by Applicant/Registrant

PMRA #	Reference
1371967	Carbendazim Tech registration---Canada, DACO: 2.13.1,2.14.10,2.14.2, 2.14.3,2.14.4,2.14.5,2.14.6,2.14.7,2.14.8,2.14.9,2.3,2.4,2.5,2.6,2.7,2.8,2.9,4.2.1,4.2.2,4.2.3,4.2.4,4.2.5,4.2.6,4.2.9,4.4.2,4.4.3,4.5.1,8.1,9.1 CBI
1415968	2007, Data for Amended Registration Carbendazim 99% TGAI. Product Chemistry, and waivers for Toxicology, Environmental Toxicology and fate data, DACO: 2.13.1,2.14.10,2.14.2,2.14.3,2.14.4,2.14.5,2.14.6,2.14.7, 2.14.8, 2.14.9,2.3,2.4,2.5,2.6,2.7,2.8,2.9,
1656664	Analytical method for determination of carbendazim, DACO: 2.13.1
1656665	Analytical method for determination of ortho-phenylenediamine, DACO: 2.13.1
1656666	Analytical method for determination of water, DACO: 2.13.1
1656667	Appendix B.2 Detailed Analytical Data for Determination of o-phenylenediamine, DACO: 2.13.1 CBI
1656668	Appendix B.2 Detailed Analytical Data for Determination of Water, DACO: 2.13.1 CBI
1656669	Batch data for o-phenylenediamine, DACO: 2.13.2 CBI
1656670	Chromatogram data for determination of carbendazim, DACO: 2.13.1 CBI
1656672	Chromatogram data for determination of o-phenylenediamine, DACO: 2.13.1 CBI
1673826	DACO: 2.13.1 CBI
1673827	DACO: 2.13.1 CBI
1673828	DACO: 2.13.1 CBI
1673829	DACO: 2.13.1 CBI

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