

Evaluation Report for Category B, Subcategory 1.1 Application

Application Number: 2008-3779
Application: B.1.1, New TGAI or ISP Product Chemistry – New Source (site) same registrant
Product: Chlorimuron-Ethyl Technical Herbicide
Registration Number: 25432
Active ingredients (a.i.): Chlorimuron-Ethyl [CHE]
PMRA Document Number: 2268437

Purpose of Application

E.I. du Pont Canada Company has submitted an application to register an alternate manufacturing site for Chlorimuron-Ethyl Technical Herbicide (Registration Number # 25432).

Chemistry Assessment

Common Name: Chlorimuron-ethyl
Chemical Name: Ethyl 2-[[[(4-chloro-6-methoxy-2-pyrimidinyl)amino]carbonyl]amino]sulfonyl]benzoate

Chlorimuron-Ethyl Technical Herbicide has the following properties:

Property	Result
Colour and physical state	White to pale yellow solid
Nominal concentration	97.8%
Odour	Odourless
Density	1.42 g/mL
Vapour pressure	5×10^{-7} mPa (at 25°C)
pH	4.4
Solubility in water	<u>pH</u> <u>Solubility (mg/L)</u>
	1.3-2.5 1.5
	4.2 4.1
	5.0 9.0
	5.8 99
	6.5 450
7.0 1200	
n-Octanol/water partition coefficient	Log K _{OW} = 0.11 (pH 7)

The chemistry requirements for Chlorimuron-Ethyl Technical Herbicide 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 an alternate manufacturing site for Chlorimuron-Ethyl Technical Herbicide is acceptable.

References

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- 1644462 1996, Vapor Pressure Determination of Chlorimuron Ethyl (DPX-F6025), DACO: 2.14.7, 2.14.9 CBI
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ISSN: 1911-8082

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