

Evaluation Report for Category B, Subcategory 1.1 Application

Application Number: 2008-3524
Application: B.1.1 - To add a new source by the same registrant
Product: Clothianidin Technical Insecticide
Registration Number: 27445
Active ingredients (a.i.): Clothianidin (COD)
PMRA Document Number English PDF: 2009191

Purpose of Application

The purpose of this application was to add a new source of Clothianidin. However, it should be noted, that the original site will be withdrawn, therefore, the corresponding specifications were not reviewed.

Chemistry Assessment

Common Name: Clothianidin
Chemical Name: [C(E)]-N-[(2-chloro-5-thiazolyl)methyl]-N'-methyl-N''-nitroguanidine

Clothianidin Technical Insecticide has the following properties:

Property	Result
Colour and physical state	Colourless solid
Nominal concentration	97.5%
Odour	Odourless
Density at 20°C	1.61 g/mL
Vapour pressure	1.3 X 10 ⁻¹⁰ Pa (at 25°C)
pH	6.24 (1% solution/suspension)
Solubility in water	0.327 g/ L (20°C)
n-Octanol/water partition coefficient at 25°C	log Kow = 0.7

The chemistry requirements for Clothianidin Technical Insecticide have been completed.

Health, Environmental and Value Assessments

The 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 of Clothianidin for Clothianidin Technical Insecticide is acceptable.

References

PMRA # Reference

- 1140672 2004, Chemistry Requirements for the Registration of Clothianidin Technical, DACO: 2.1, 2.10, 2.11.1, 2.11.2, 2.11.3, 2.11.4, 2.12.1, 2.13.1, 2.13.2, 2.13.3, 2.13.4, 2.2,2.3, 2.4, 2.5, 2.6, 2.7, 2.9 CBI
- 1635221 2007, Preliminary Analysis of Clothianidin Technical Grade Active Ingredient, DACO: 2.13.3 CBI
- 1641106 2008, Manufacturing Process for New Source of Clothianidin Technical Insecticide (PCP No. 27445), Submission Number 2008-3524, DACO: 2.11.1 CBI
- 1817442 2009, RE: Chemistry clarification request for submission #2008-3524 Clothianidin Technical Insecticide, DACO: 0.8 CBI

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