



Evaluation Report for Category B Subcategory 1.1 Application

Application Number: 2008-2535
Application: B.1.1 – New Source by Same Registrant
Product: BAY NTN 33893 Technical Insecticide
Registration Number: 24468
Active ingredients (a.i.): Imidacloprid (IMI)
PMRA Document Number: 2455145

Purpose of Application

The purpose of this application was to register an alternate manufacturing site of this registered active ingredient, imidacloprid, by the same registrant.

Chemistry Assessment

Common name: Imidacloprid

IUPAC Chemical Name: (E)-1-(6-chloro-3-pyridylmethyl)-N-nitroimidazolidin-2-ylidenamine

CAS Chemical Name: (2E)-1-[(6-chloro-3-pyridinyl)methyl]-N-nitro-2-imidazolidinimine

BAY NTN 33893 Technical Insecticide has the following properties:

Property	Results
Colour and physical state	Colourless to light yellow
Nominal concentration	98.0 %
Odour	Weak characteristic odour
Density	1.54 g/cm ³
Vapour pressure	4 × 10 ⁻⁷ mPa at 20°C
pH	7.8 (2 % suspension)
Solubility in water	510 – 610 mg/L
n-Octanol/water partition coefficient	log Kow = 0.57

The chemistry requirements for BAY NTN 33893 Technical Insecticide have been completed.

Health, Environmental and Value Assessments

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

Conclusion

The PMRA has evaluated the available information and has determined the new manufacturing site to be acceptable.

References

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- 1909548 2010, Statement answering PMRA questions on Imidacloprid Technical Grade
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