



Evaluation Report for Category B, Subcategory 1.1 Application

Application Number: 2015-5326
Application: Changes TGAI Product Chemistry – New Source (site) same registrant
Product: Acetamiprid Technical Insecticide
Registration Number: 27125
Active ingredients (a.i.): Acetamiprid
PMRA Document Number : 2636759

Purpose of Application

The purpose of this application was to add two new manufacturing sites to Acetamiprid Technical Insecticide.

Chemistry Assessment

Common Name: Acetamiprid
IUPAC* Chemical Name: (1*E*)-*N*-[(6-chloropyridin-3-yl)methyl]-*N'*-cyano-*N*-methylethanimidamide
CAS† Chemical Name: (1*E*)-*N*-[(6-chloro-3-pyridinyl)methyl]-*N'*-cyano-*N*-methylethanimidamide

* International Union of Pure and Applied Chemistry

† Chemical Abstracts Service

Acetamiprid Technical Insecticide has the following properties:

Property	Result
Colour and physical state	White to very pale yellow solid
Nominal concentration	99.5%
Odour	Odourless
Density	1.330 g/mL
Vapour pressure	$< 1 \times 10^{-6}$ Pa (at 25°C)
pH	6.08 (1% aqueous solution)

Property	Result
Solubility in water	<u>pH</u>
	<u>Solubility (mg/L)</u>
	distilled water 4.25×10^3
	5 3.48×10^3
	7 2.95×10^3
	9 3.96×10^3
n-Octanol/water partition coefficient	Log $K_{ow} = 0.80$

The required chemistry data for Acetamiprid Technical Insecticide have been provided, reviewed, and found to be acceptable.

Health Assessments

Occupational and dietary exposure assessments were not required for this application.

There are no toxicological concerns with the new sources of Acetamiprid Technical Insecticide.

Environmental and Value Assessments

Environmental and value assessments were not required for this application.

Conclusion

The Pest Management Regulatory Agency has completed an assessment of the available information and supports the registration of two new manufacturing sites for Acetamiprid Technical Insecticide.

References

PMRA Document Number	References
2569368	2015, Analyses of Representative 5 Lots of Technical Grade Acetamiprid, DACO: 2.13.2, 2.13.3, 2.13.4 CBI
2569369	2015, Analyses of Representative 5 Lots of Technical Grade Acetamiprid, DACO: 2.13.2, 2.13.3, 2.13.4 CBI
2569370	2015, Acetamiprid (Code No. NI-25)TGAI Project Identity and Composition, DACO: 2.11.1, 2.11.2, 2.11.3, 2.11.4 CBI
2569372	2014, Acetamiprid (Code No. NI-25) TGAI: Product Identity and Composition, DACO: 2.11.1, 2.11.2, 2.11.3, 2.11.4 CBI
2578914	2015, DACO 2.2 (Manufacturers Name and Office Address and Manufacturing Plants Name and Address), DACO: 2.2 CBI
2601338	2016, Letter confirming the supply of the Technical Active Ingredient - 5 batch, DACO: 2.13.3 CBI

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