

Evaluation Report for Category B, Subcategory 1.1 Application

Application Number: 2010-4249
Application: B.1.1-Changes to TGAI Product Chemistry-New Source, same registrant
Product: Amitraz Technical (Insecticide)
Registration Number: 23485
Active ingredients (a.i.): Amitraz (AMZ)
PMRA Document Number English PDF: 2026779

Purpose of Application

The purpose of this application was to register a new source for Amitraz Technical (Insecticide), Registration Number 23485.

Chemistry Assessment

Common Name: Amitraz
Chemical Name: *N'*-(2,4-dimethylphenyl)-*N*-[[[(2,4-dimethylphenyl)imino]methyl]-*N*-methylethanimidamide

Amitraz Technical (Insecticide) has the following properties:

Property	Result
Colour and physical state	White, off-white or pale yellow crystalline powder (Solid)
Nominal concentration	97.0 %
Odour	Slight odour of amines
Specific gravity	1.128 g/mL
Vapour pressure	3.4×10^{-4} Pa (20 °C)
Solubility in water	< 0.1 mg/L at 20 °C
n-Octanol/water partition coefficient	log K_{OW} = 5.5 at 25 °C

The chemistry requirements for Amitraz Technical (Insecticide) are complete.

Health, Environmental and Value Assessments

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

Conclusion

The Pest Management Regulatory Agency has completed an assessment of the information provided in support of the product, Amitraz Technical (Insecticide), and has found the chemistry information sufficient to register a new source.

References

PMRA No	Title
1954744	2009, Amitraz Technical (Alternate source) Product Properties - Group A, DACO: 2.11.1,2.11.2,2.11.3,2.11.4,2.12.1,2.13.1,2.13.2 CBI
1954745	2010, Preliminary Analysis of Five Batches of TECHNICAL AMITRAZ, DACO: 2.13.3 CBI
2007056	2011, Response to clarification email, DACO: 0.8.1
2007057	Description of Starting Materials, DACO: 2.11.2 CBI
2007058	Detailed Production Process Description, DACO: 2.11.3 CBI
2007059	2011, Discussion of Formation of Impurities, DACO: 2.11.4 CBI
2007061	Methodology/Validation, DACO: 2.13.1 CBI
2007062	Methodology/Validation - Additional Information, DACO: 2.13.1 CBI

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