

Evaluation Report for Category B, Subcategory 1.1, 1.3 Application

Application Number: 2020-1695
Application: Changes to Technical Grade Active Ingredient Product Chemistry – New Source (site) same registrant and Specifications
Product: ADAMA ACETAMIPRID TECHNICAL INSECTICIDE
Registration Number: 32792
Active ingredient (a.i.): Acetamiprid
PMRA Document Number : 3259796

Purpose of Application

The purpose of this application was to add a new source of acetamiprid by the same registrant.

Chemistry Assessment

Common Name: Acetamiprid
IUPAC* Chemical Name: (1*E*)-*N*-[(6-chloro-3-pyridyl)methyl]-*N'*-cyano-*N*-methylacetimidamide
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

ADAMA ACETAMIPRID TECHNICAL INSECTICIDE has the following properties:

Property	Result
Colour and physical state	White solid
Nominal concentration	99.3%
Odour	Mild bitter
Density	1.33 g/mL at 25°C
Vapour pressure	$< 1 \times 10^{-3}$ mPa at 25°C
pH	5-6
Solubility in water	3.00 g/L at 19.3°C, pH 8.6
n-Octanol/water partition coefficient	$\log K_{ow} = 0.8$ at 20°C, pH 7

The required chemistry data for ADAMA ACETAMIPRID TECHNICAL INSECTICIDE have

been provided, reviewed, and found to be acceptable.

Health Assessments

The health risk profile of the technical active ingredient is not expected to be significantly altered by the addition of a new manufacturing site.

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

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 information provided and has found it sufficient to support the addition of a new source of acetamiprid.

References

PMRA Document Number	References
3117552	2019, Validation of Analytical Methodology for the Assay of the Active Ingredient and Related Significant Impurities and Subsequent 5-batch Qualitative and Quantitative Analysis of Acetamiprid TC, DACO: 2.13.1,2.13.2,2.13.3,2.13.4 CBI
3117553	2019, Production Chemistry of Acetamiprid Technical, DACO: 2.11.1,2.11.2,2.11.3,2.4,2.5,2.6,2.7,2.8,2.9 CBI

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