

Evaluation Report for Category B, Subcategory 1.1 Application

Application Number: 2010-4116
Application: B.1.1 – To add a new source of TGAI by the same registrant
Product: RYNAXYPYR Technical Insecticide
Registration Number: 28979
Active ingredients (a.i.): Chlorantraniliprole (JIY)
PMRA Document Number English PDF: 2020447

Purpose of Application

The purpose of this application was to register an additional manufacturing site of chlorantraniliprole to the currently registered product RYNAXYPYR Technical Insecticide, Registration Number 28979.

Chemistry Assessment

Common Name: Chlorantraniliprole
IUPAC Chemical Name: 3-bromo-4'-chloro-1-(3-chloro-2-pyridyl)-2'-methyl-6'-(methylcarbamoyl)pyrazole-5-carboxanilide
CAS Chemical Name: 3-bromo-*N*-[4-chloro-2-methyl-6-[(methylamino)carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-1*H*-pyrazole-5-carboxamide

RYNAXYPYR Technical Insecticide has the following properties:

Property	Result	
Colour and physical state	Off-White solid	
Nominal concentration	97 %	
Odour	Odourless	
Density at 20°C	1.51 g/mL	
Vapour pressure at 25°C	2.1×10^{-11} Pa (estimated)	
pH	5.77	
Solubility in water at 20°C	pH	Solubility (mg/L)
	Milli-RO water	1.023
	4	0.972
	7	0.880
	9	0.971
n-Octanol/water partition coefficient (K_{ow})	pH	Log K_{ow}
	Milli-RO water	2.76
	4	2.77
	7	2.86
	9	2.80

The chemistry requirements for RYNAXYPYR Technical Insecticide have been completed.

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 subject application and found the information sufficient to register the new technical source of chlorantraniliprole.

References

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- 1952145 2010, Batch Analysis of Lab -Piloted DPX-E2Y45 Technical Produced at [CBI Removed], DACO: 2.13.3 CBI
- 1952146 2010, Re-validation of the Analytical Method for Determination of DPX-E2Y45 in Technical Grade DPX-E2Y45, DACO: 2.13.1
- 1952148 2010, Re-validation of the Analytical Method for Determination of DPX-E2Y45 in Technical Grade DPX-E2Y45, DACO: 2.13.1 CBI
- 1952149 2010, Re-validation of the Analytical Methods for Determination of Impurities in Technical Grade DPX-E2Y45, DACO: 2.13.1
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