



Evaluation Report for Category B, Subcategory 1.1 Application

Application Number: 2020-2253
Application: Changes to TGAI Product Chemistry - New Source Same Registrant
Product: Technical Rabon Insecticide
Registration Number: 25338
Active ingredient (a.i.): Tetrachlorvinphos
PMRA Document Number : 3295333

Purpose of Application

The purpose of this application was to add a new manufacturing site for the technical product, Technical Rabon Insecticide.

Chemistry Assessment

Common Name: tetrachlorvinphos
IUPAC* Chemical Name: (1Z)-2-chloro-1-(2,4,5-trichlorophenyl)vinyl dimethyl phosphate
CAS† Chemical Name: (1Z)-2-chloro-1-(2,4,5-trichlorophenyl)ethenyl dimethyl phosphate

* International Union of Pure and Applied Chemistry

† Chemical Abstracts Service

Technical Rabon Insecticide has the following properties:

Property	Result
Colour and physical state	Off white powder
Nominal concentration	98.7 %
Odour	Pungent
Density	1.5997 g/mL
Vapour pressure	0.035 mPa
pH	5.12 (1 % solution)
Solubility in water	7.56 mg / L
n-Octanol/water partition coefficient	log K _{ow} = 4.00

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

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, and has found it sufficient to support the addition of the new manufacturing site for Technical Rabon Insecticide.

References

PMRA Document Number	Reference
3150601	2018, Production Chemistry Of TCVP_For_US_September 2018, DACO: 2.11,2.11.1,2.11.3,2.11.4,2.2,2.3,2.5,2.6,2.7,2.8,2.9 CBI
3263403	2021, Sub. No. 2020-2253_Response to Notice of Deficiencies, DACO: 2.13.4
3150602	2018, Five-Batch Analysis of Tetrachlorvinphos TGAI, DACO: 2.12 CBI
3127893	2018, Physical and Chemical Characterization of Tetrachlorvinphos TGAI, DACO: 2.12.1,2.14.1,2.14.10,2.14.12,2.14.13,2.14.14,2.14.2,2.14.3,2.14.4,2.14.6, 2.14.8 CBI

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