

Evaluation Report for Category B, Subcategory 1.1 Application

Application Number: 2008-1724
Application: B.1.1: Changes TGAI Product Chemistry-New Source (Site) Same Registrant
Product: Pyrinex Technical Chlorpyrifos Insecticide
Registration Number: 23621
Active ingredients (a.i.): Chlorpyrifos [DUB]
PMRA Document Number : 1824778

Purpose of Application

The purpose of this application was to register a new source for Pyrinex Technical Chlorpyrifos Insecticide, Registration. No. 23621.

Chemistry Assessment

Common Name: Chlorpyrifos
Chemical Name: *O,O*-diethyl *O*-3,5,6-trichloro-2-pyridyl phosphorothioate

Pyrinex Technical Chlorpyrifos Insecticide has the following properties:

Property	Result
Colour and physical state	White crystalline solid
Nominal concentration	97.0%
Odour	Pungent (sulphur-like)
Specific gravity	1.44
Vapour pressure	3.1 mPa
pH	4.24 (1% w/w aqueous solution)
Solubility in water	1.4 mg/L
n-Octanol/water partition coefficient (K_{ow})	Log K_{ow} = 4.7

The chemistry requirements for Pynex Technical Chlorpyrifos Insecticide have been met.

Health, environmental and Value Assessments

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

Conclusion

Following the review of the data provided, the PMRA can support the registration of the new source for Pynex Technical Chlorpyrifos Insecticide, Registration. No. 23621.

References

7.0 References List

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