

Evaluation Report for Category L, Subcategory 1.1 Application

Application Number: 2017-7215
Application: Submission subject to PPIP (Protection of Propriety Interests in Pesticide Data) policy
Product: NewAgco Chlorpyrifos Technical
Registration Number: 33295
Active ingredient (a.i.): Chlorpyrifos
PMRA Document Number: 2865673

Purpose of Application

The purpose of this application was to register NewAgco Chlorpyrifos Technical, a new source of the technical grade active ingredient chlorpyrifos, by a new registrant based on a precedent.

Chemistry Assessment

Common Name: Chlorpyrifos
IUPAC* Chemical Name: *O,O*-diethyl *O*-3,5,6-trichloro-2-pyridyl phosphorothioate
CAS† Chemical Name: *O,O*-diethyl *O*-(3,5,6-trichloro-2-pyridinyl) phosphorothioate

* International Union of Pure and Applied Chemistry

† Chemical Abstracts Service

NewAgco Chlorpyrifos Technical has the following properties:

Property	Result
Colour and physical state	White solid
Nominal concentration	98.9%
Odour	Characteristic
Density	1.1437 g/mL at 20°C
Vapour pressure	1.43 mPa at 20°C, 3.35 mPa at 25°C
pH	5.0
Solubility in water	1.57 mg/L (20°C, pH 6.70)
n-Octanol/water partition coefficient	Log K _{ow} = 5.21

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

Health, Value and Environmental Assessments

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

Conclusion

The Pest Management Regulatory Agency has completed an assessment of the information provided, and has found the information sufficient to support the registration of NewAgco Chlorpyrifos Technical.

References

PMRA Document Number	Reference
2824910	2017, Chemistry Requirements - Basics, DACO: 2.1,2.2,2.3,2.3.1,2.4,2.5, 2.6,2.7,2.8,2.9 CBI
2824911	2017, Manufacturing process of chlorpyrifos technical, DACO: 2.11.1,2.11. 2,2.11.3 CBI
2824912	2017, Impurity formation of chlorpyrifos technical, DACO: 2.11.4 CBI
2824913	2014, Qualitative and Quantitative Profile of the test substance Chlorpyrifos Technical (Five Batch Analysis), DACO: 2.12.1,2.13.1,2.13.2,2.13.3 CBI
2824915	2017, [CBI removed], DACO: 2.11.2 CBI
2824916	2017, [CBI removed], DACO: 2.11.2 CBI
2824917	2017, [CBI removed], DACO: 2.11.2 CBI
2824918	2017, [CBI removed], DACO: 2.11.2 CBI
2824919	2017, [CBI removed], DACO: 2.11.2 CBI
2824920	2014, Melting Point and range of Chlorpyrifos Technical, DACO: 2.14.4 CBI
2824921	2014, Vapour Pressure of Chlorpyrifos Technical, DACO: 2.14.9 CBI
2824922	2014, Solubility in water and organic solvents of Chlorpyrifos Technical, DACO: 2.14.7,2.14.8 CBI
2824923	2016, Physical and Chemical Characterization of Chlorpyrifos Technical - Stability, Corrosive Characteristics, Oxidation/Reduction and UV/Vis Absorption, DACO: 2.14.11,2.14.12,2.14.13,2.14.14 CBI
2824924	2014, Dissociation Constant on water of Chlorpyrifos Technical, DACO: 2.14.10 CBI
2824926	2014, Density of Chlorpyrifos Technical, DACO: 2.14.6 CBI
2824927	2014, pH determination of Chlorpyrifos Technical, DACO: 2.14.15,830.7000 CBI
2824928	2014, Aspect (Physical State, color, odor) of Chlorpyrifos Technical, DACO: 2.14.1,2.14.2,2.14.3 CBI
2824930	2014, Thermal Stability study/Explodability of Chlorpyrifos Technical, DACO: 2.14.13 CBI
2824931	2014, Corrosivity of Chlorpyrifos Technical, DACO: 2.14.13 CBI
2824932	2017, Boiling Point NA, DACO: 2.14.5 CBI

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