

Evaluation Report for Category B, Subcategory 1.2 Application

Application Number: 2015-0981
Application: New Technical Grade Active Ingredient - New Source / New Registrant
Product: NewAgco Fluroxypyr Technical
Registration Number: #####
Active ingredient (a.i.): Fluroxypyr (present as 1-methylheptyl ester)
PMRA Document Number: 2738091

Purpose of Application

The purpose of this application was to register NewAgco Fluroxypyr Technical, with new sources of the active ingredient fluroxypyr, present as 1-methylheptyl ester, by a new registrant.

Chemistry Assessment

Common Name: Fluroxypyr-meptyl
CAS[†] Chemical Name: 1-methylheptyl 2-[(4-amino-3,5-dichloro-6-fluoro-2-pyridinyl)oxy]acetate
IUPAC* Chemical Name: *rac*-(2*R*)-octan-2-yl [(4-amino-3,5-dichloro-6-fluoropyridin-2-yl)oxy]acetate

[†] Chemical Abstracts Service

* International Union of Pure and Applied Chemistry

NewAgco Fluroxypyr Technical has the following properties:

Property	Result
Colour and physical state	Off-white solid
Nominal concentration	68.5%
Odour	Odourless
Density	1.322 g/mL
Vapour pressure	1.3×10^{-3} mPa
pH	6.10
Solubility in water	0.136 mg/L (literature value)
n-Octanol/water partition coefficient (K_{ow})	$\text{Log}K_{ow} = 4.98$

The chemistry requirements for NewAgco Fluroxypyr Technical have been fulfilled.

Health Assessments

NewAgco Fluroxypyr Technical is considered toxicologically equivalent to the currently registered precedent product. New toxicological data were neither submitted nor required.

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

Environmental Assessment

The technical grade active ingredient has been shown to contain contaminants which have been identified in the federal government's *Toxic Substances Management Policy* (TSMP, 1995) as Track 1 substances. When compared to other registered sources, the use of the proposed new source is not expected to result in an increase in the release of Track 1 contaminants. PMRA's strategy to manage Track 1 contaminants in pest control products is captured in DIR99-03, *The Pest Management Regulatory Agency's Strategy for Implementing the Toxic Substances Management Policy*.

Value Assessment

A value assessment was 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 Fluroxypyr Technical.

References

PMRA Document Reference

Number

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2511257	2012, Five Batch Analysis of Fluroxypyr-Meptyl Technical, DACO: 2.13 CBI
2546808	2011, Final Report - Purity Profile Study of Fluroxypyr meptyl Technical, DACO: 2.13.1, 2.13.2, 2.13.3, 2.13.4 CBI
2616194	2016, A Study for the Analysis of Fluroxypyr-meptyl Technical Batches for the Presence of Polychlorinated dibenzodioxins and Dibenzofurans, DACO: 2.13.4 CBI
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2511259	2013, Determination of Color, Odor and Physical State of Fluroxypyr Meptyl Technical, DACO: 2.14.1,2.14.2,2.14.3 CBI
2511260	2013, Determination of Melting Point of Fluroxypyr Meptyl Technical, DACO: 2.14.4 CBI
2511261	2013, Determination of Density of Fluroxypyr Meptyl Technical, DACO: 2.14.6 CBI
2511262	2013, Determination of Partition Coefficient of Fluroxypyr Meptyl Technical, DACO: 2.14.11 CBI
2546817	2010, Fluroxypyr-Meptyl Physical / Chemical Tests Final Report, DACO: 2.14.1, 2.14.10, 2.14.11, 2.14.13, 2.14.15, 2.14.2, 2.14.3, 2.14.6, 2.14.7, 2.14.8, 2.14.9, 2.16, 830.7000

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