



Evaluation Report for Category B, Subcategory 1.2 Application

Application Number: 2017-1714
Application: B.1.2: New Source New Registrant
Product: Oxyfluorfen Agrogill Technical Grade Active Ingredient
Registration Number: 33089
Active ingredients (a.i.): Oxyfluorfen
PMRA Document Number : 2830355

Purpose of Application

The purpose of this application was to register a new source of Oxyfluorfen Agrogill Technical Grade Active Ingredient.

Chemistry Assessment

Common Name: Oxyfluorfen
IUPAC* Chemical Name: 2-chloro- α,α,α -trifluoro-p-tolyl 3-ethoxy-4-nitrophenyl ether
CAS† Chemical Name: 2-chloro-1-(3-ethoxy-4-nitrophenoxy)-4-(trifluoromethyl)benzene

* International Union of Pure and Applied Chemistry

† Chemical Abstracts Service

Oxyfluorfen Agrogill Technical Grade Active Ingredient has the following properties:

Property	Result
Colour and physical state	Off-white/yellow solid
Nominal concentration	98.8%
Odour	Odourless
Density	1.422 – 1.665 g/mL
Vapour pressure	3.37 \pm 1.92 mPa (at 25°C)
pH	7.75
Solubility in water	<0.11 mg/L (at 20.6°C)
n-Octanol/water partition coefficient	Log K _{ow} = 4.62 (at 25.0°C)

The required chemistry data for Oxyfluorfen Agrogill Technical Grade Active Ingredient 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 PMRA has reviewed the information provided in support of the new source. Based on the results of this review, the new source is acceptable for registration.

References

PMRA Document Number	Reference
2747863	DACO: 2.1 CBI
2747864	DACO: 2.2 CBI
2747866	DACO: 2.3 CBI
2747867	DACO: 2.4
2747868	DACO: 2.5
2747869	DACO: 2.6
2747871	DACO: 2.7
2747872	DACO: 2.8
2747873	DACO: 2.9
2747874	DACO: 2.11.1 CBI
2747875	DACO: 2.11.2 CBI
2747876	DACO: 2.11.2 CBI
2747877	DACO: 2.11.3 CBI
2747878	DACO: 2.11.4 CBI
2747879	DACO: 2.12.1 CBI
2747880	2016, Determination of active content and Impurity profile of Oxyfluorfen, DACO: 2.13.1,2.13.2,2.13.3,2.13.4 CBI
2747881	2016, Determination of Physical Chemical properties of Oxyfluorfen, DACO: 2.14.1,2.14.12,2.14.13,2.14.15,2.14.2,2.14.3,2.14.4,2.14.6,2.14.7,2.14.8,2.16,830.7000 CBI
2747882	2017, Determination of Physical Chemical Properties of Oxyfluorfen, DACO: 2.14.11,2.14.9 CBI
2758475	DACO: 2.14.10 CBI
2758476	DACO: 2.15 CBI
2821345	2016, Determination of [CBI removed] in Oxyfluorfen, DACO: 2.13.4 CBI

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