

Evaluation Report for Category B, Subcategory 1.1 Application

Application Number: 2020-0127
Application: New TGAI Prod Chemistry-New Source same registrant
Product: Adama Fluroxypyr Technical
Registration Number: 30507
Active ingredient (a.i.): Fluroxypyr, present as 1-methylheptyl ester
PMRA Document Number: 3178099

Purpose of Application

The purpose of this application was to register a new source of Adama Fluroxypyr Technical.

Chemistry Assessment

Common Name:

IUPAC* Chemical Name:

CAS† Chemical Name:

* International Union of Pure and Applied Chemistry

† Chemical Abstracts Service

Adama Fluroxypyr Technical has the following properties:

Property	Result
Colour and physical state	White solid
Nominal concentration	68.0%
Odour	Musty odour
Density	1.261 g/cm ³
Vapour pressure	1.3 x10 ⁻⁶ Pa (20°C)
pH	5.5-6.5
Solubility in water	0.109 mg/L (pH 7)
n-Octanol/water partition coefficient	Log K _{ow} = 5.61 (pH 7.4)

The required chemistry data for Adama Fluroxypyr Technical 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 the information sufficient to support the new source of Adama Fluroxypyr Technical.

References

PMRA

Document

Number	References
1969080	2009, Physical State, Colour and Odour of Fluroxypyr Meptyl Technical, DACO: 2.14.1,2.14.2,2.14.3
1969082	2009, Partition Coefficient of Fluroxypyr Meptyl tech. (HPLC), DACO: 2.14.11
1969084	2009, UV/VIS Absorption Spectrum of Fluroxypyr Meptyl tech, DACO: 2.14.12
1969086	2009, Relative Density of Fluroxypyr Meptyl Technical, DACO: 2.14.6
1969089	2009, Solubility of Fluroxypyr Meptyl in Organic Solvents, DACO: 2.14.8
1969091	Anonymous, 1999, EC-Review report for the active substance fluroxypyr, DACO: 2.14.10,2.14.11,2.14.4,2.14.5,2.14.7,2.14.8,2.14.9
2795166	2015, Product Identity and Composition, Description of the Materials Used, Description of the Production Process, Discussion of the Formation of Impurities, Certified Limits, and Enforcement Analytical Method for Fluroxypyr-Meptyl Technical, DACO: 2.11.1,2.11.3,2.11.4,2.12.1 CBI
2795167	2010, Product Identity and Composition, Description of the Materials Used, Description of the Production Process, Discussion of the Formation of Impurities, Certified Limits, and Enforcement Analytical Method for Fluroxypyr-Meptyl Technical, DACO: 2.14.13,2.14.15,830.7000 CBI
2795168	2011, Purity Profile Study of 5 Batches of Fluroxypyr-meptyl Technical, DACO: 2.13.1,2.13.2,2.13.3,2.4,2.5,2.6,2.7,2.8,2.9 CBI
2795169	2016, [CBI Removed] Analysis_Shangdong LUBA_rep 16-00367 e update 3.15, DACO: 2.13.4 CBI
3077130	2020, Chemistry 2.1,2.2, 2.3,2.3.1-ADAMA Fluroxypyr Technical-Luba, DACO: 2.1,2.2,2.3,2.3.1
3077134	2019, Determination of [CBI Removed] in Fluroxypyr-Meptyl Technical, DACO: 2.13.4 CBI

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