

Evaluation Report for Category L, Subcategory 1.1 Application

Application Number: 2020-0516
Application: Submissions subject to *Protection of Proprietary Interests in Pesticide Data* policy-Equivalency/Data Compensation Assessment
Product: NewAgco Pinoxaden Technical
Registration Number: 34249
Active ingredient (a.i.): Pinoxaden
PMRA Document Number: 3172611

Purpose of Application

The purpose of this application was to register NewAgco Pinoxaden Technical, a new source of pinoxaden based on a precedent.

Chemistry Assessment

Common Name: pinoxaden
IUPAC* Chemical Name: 8-(2,6-diethyl-4-methylphenyl)-1,2,4,5-tetrahydro-7-oxo-7H-pyrazolo[1,2-d][1,4,5]oxadiazepin-9-yl 2,2-dimethylpropanoate
CAS† Chemical Name: 8-(2,6-diethyl-4-methylphenyl)-1,2,4,5-tetrahydro-7-oxo-7H-pyrazolo[1,2-d][1,4,5]oxadiazepin-9-yl 2,2-dimethylpropanoate

* International Union of Pure and Applied Chemistry

† Chemical Abstracts Service

NewAgco Pinoxaden Technical has the following properties:

Property	Result
Colour and physical state	Off-white solid
Nominal concentration	98.6%
Odour	Mild characteristic odour
Density	1.17 g/mL
Vapour pressure	3.50×10^{-2} mPa
pH	4.16
Solubility in water	199 mg/L

Property	Result
n-Octanol/water partition coefficient	$\log K_{ow} = 3.173$

The required chemistry data for NewAgco Pinoxaden 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 registration of NewAgco Pinoxaden Technical.

References

PMRA Document Number	References
3088978	2020, Confidential Business Information Reference for NewAgco Pinoxaden Technical - [PRIVACY INFO REMOVED], DACO: 2.2 CBI
3088980	2020, Information for NewAgco Pinoxaden Technical, DACO: 2.1,2.2,2.3,2.3.1,2.4,2.5,2.6,2.7,2.8,2.9
3088981	2019, [PRIVACY INFO REMOVED] - Determination of Active Content and Impurity Profile of Pinoxaden, DACO: 2.13.1,2.13.2,2.13.3,2.13.4 CBI
3088982	2020, [PRIVACY INFO REMOVED] - Manufacturing Process of Pinoxaden Technical Grade Active Substance, DACO: 2.11.1,2.11.2,2.11.3,2.11.4 CBI
3088983	2019, [PRIVACY INFO REMOVED] - Physical and Chemical Properties Analysis of Pinoxaden Tech, DACO: 2.14.1,2.14.10,2.14.12,2.14.13,2.14.14,2.14.15,2.14.2,2.14.3,2.14.6,830.7000
3088984	2019, [PRIVACY INFO REMOVED] - Physical and Chemical Properties Analysis of Pinoxaden Tech: Melting point, Solubility in water and two organic solvents, Vapor pressure and Partition coefficient, DACO: 2.14.11,2.14.4,2.14.7,2.14.9
3153305	2020, Statement of commercial scale for [PRIVACY INFO REMOVED] site, DACO: 2.13.3 CBI
3153306	2020, COA for commercial batches, DACO: 2.13.3 CBI
3169176	2020, Manufacturing process, DACO: 2.11 CBI
3169177	2020, Manufacturing process-additional e-mail clarifications, DACO: 2.11.2 CBI

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