

Evaluation Report for Category L, Subcategory 1.1 Application

Application Number: 2020-5771
Application: Submissions Subject to Protection of Proprietary Interests in Pesticide Data Policy - Equivalency/ Data Compensation Assessment
Product: Rotam Aminopyralid Technical
Registration Number: 34387
Active ingredient (a.i.): Aminopyralid
PMRA Document Number : 3274187

Purpose of Application

The purpose of this application was to register Rotam Aminopyralid Technical, a new source of the active ingredient aminopyralid, based on precedent.

Chemistry Assessment

Common Name: Aminopyralid
 IUPAC* Chemical Name: 4-amino-3,6-dichloropyridine-2-carboxylic acid
 CAS† Chemical Name: 4-amino-3,6-dichloro-2-pyridinecarboxylic acid

* International Union of Pure and Applied Chemistry

† Chemical Abstracts Service

Rotam Aminopyralid Technical has the following properties:

Property	Result										
Colour and physical state	Off-white solid										
Nominal concentration	96.86 %										
Odour	Odourless										
Density	1.6985-1.8287 g/mL										
Vapour pressure	9.52×10 ⁻⁶ mPa (20 °C) 2.59×10 ⁻⁵ mPa (25 °C)										
pH	2.26										
Solubility in water	<table style="border: none;"> <thead> <tr> <th style="border: none;"><u>pH</u></th> <th style="border: none;"><u>Solubility (g/L)</u></th> </tr> </thead> <tbody> <tr> <td style="border: none;">2.31</td> <td style="border: none;">2.24</td> </tr> <tr> <td style="border: none;">5.46</td> <td style="border: none;">204.33</td> </tr> <tr> <td style="border: none;">7.04</td> <td style="border: none;">198.33</td> </tr> <tr> <td style="border: none;">8.74</td> <td style="border: none;">195.00</td> </tr> </tbody> </table>	<u>pH</u>	<u>Solubility (g/L)</u>	2.31	2.24	5.46	204.33	7.04	198.33	8.74	195.00
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2.31	2.24										
5.46	204.33										
7.04	198.33										
8.74	195.00										

Property	Result	
n-Octanol/water partition coefficient	<u>pH</u>	<u>log K_{ow}</u>
	9.0	-2.96
	7.0	-2.87
	5.0	-1.75
	Unbuffered	0.201

The required chemistry data for Rotam Aminopyralid 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 it sufficient to support the registration of Rotam Aminopyralid Technical.

References

PMRA Document Number	References
3178703	2018, Determination of Active Content and Impurity Profile of Aminopyralid, DACO: 2.13.1,2.13.2,2.13.3,2.13.4,2.2 CBI
3178704	2018, Determination of Physical-chemical properties of Aminopyralid, DACO: 2.14.1,2.14.11,2.14.15,2.14.2,2.14.3,2.14.4,2.14.6,2.14.7,2.14.8,2.14.9,2.4,2.5,2.6, 2.7,2.8,2.9,830.7000
3178705	2019, Determination of Physical-chemical properties of Aminopyralid Additional tests, DACO: 2.14.12,2.14.13,2.14.14
3178706	2020, Manufacturing Process of Aminopyralid Technical, DACO: 2.11.1,2.11.2,2.11.3,2.11.4,2.12.1 CBI
3235060	2021, Study on the Dissociation Constant of Aminopyralid Technical, DACO: 2.14.10
3266738	2021, Aminopyralid Technical Clarification on the Queries of Manufacturing Process, DACO: 2.11.2,2.13.3 CBI

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