

Evaluation Report for Category B, Subcategory 1.1, 1.3 Application

Application Number: 2016-4047
Application: New TGAI / Product Chemistry – New site / Same registrant; Specifications
Product: Aminopyralid Technical Herbicide
Registration Number: 28136
Active ingredient (a.i.): Aminopyralid
PMRA Document Number : 2769100

Purpose of Application

The purpose of this application was to add a new manufacturing site for Aminopyralid Technical Herbicide, and to adjust the label guarantee of this technical grade active ingredient.

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

Aminopyralid Technical Herbicide has the following properties:

Property	Result
Colour and physical state	Off-white powder
Nominal concentration	95.3%
Odour	Odourless
Density	1.72 g/cm ³
Vapour pressure	9.52 x 10 ⁻⁹ Pa at 20°C 2.59 x 10 ⁻⁸ Pa at 25°C
pH	2-2.5 in 1% slurry
Solubility in water at 20°C	2.48 g/L in unbuffered water at 18°C 212 g/L (pH 5) 205 g/L (pH 7) 203 g/L (pH 9)

Property	Result	
n-Octanol/water partition coefficient at 19°C	pH	<u>log K_{ow}</u>
	unbuffered	0.201
	5	-1.76
	7	-2.87
	9	-2.96

The required chemistry data for Aminopyralid Technical Herbicide 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 submitted, and has found the information sufficient to support the addition of a new manufacturing site and amendment of the label guarantee for Aminopyralid Technical Herbicide.

References

PMRA Document Number Reference

749637	2004, Group A: Product Identity and Composition, Description of Materials used to Produce the Product, Description of the Production Process, Discussion of Formation of Impurities, Certified Limits, Preliminary Analysis, and Enforcement Analytical Methods for Aminopyralid (XDE-750) Technical, DACO: 2.11.1, 2.11.2, 2.11.3, 2.11.4, 2.12.1, 2.13.1, 2.13.2, 2.13.3, 2.13.4, 2.3, 2.3.1, 2.4, 2.5, 2.6, 2.7, 2.8, 2.9 CBI
749639	2004, Product Data Chemistry Requirements, DACO: 2.11.2, 2.11.3, 2.11.4, 2.12.1, 2.13.1, 2.13.2, 2.13.3, 2.13.4, 2.15 CBI
749641	2004, Group A: Product Identity and Composition, Description of Materials used to Produce the Product, Description of the Production Process, Discussion of Formation of Impurities, Certified Limits, Preliminary Analysis, and Enforcement Analytical Methods for Aminopyralid (XDE-750) Technical, DACO: 2.11.1, 2.11.2, 2.11.3, 2.11.4, 2.12.1, 2.13.1, 2.13.2, 2.13.3, 2.13.4, 2.3, 2.3.1, 2.4, 2.5, 2.6, 2.7, 2.8, 2.9 CBI

PMRA Document Number	Reference
749644	2004, Group A: Product Identity and Composition, Description of Materials used to Produce the Product, Description of the Production Process, Discussion of Formation of Impurities, Certified Limits, Preliminary Analysis, and Enforcement Analytical Methods for Aminopyralid (XDE-750) Technical, DACO: 2.11.1, 2.11.2, 2.11.3, 2.11.4, 2.12.1, 2.13.1, 2.13.2, 2.13.3, 2.13.4, 2.3, 2.3.1, 2.4, 2.5, 2.6, 2.7, 2.8, 2.9 CBI
749648	2004, Group A: Product Identity and Composition, Description of Materials used to Produce the Product, Description of the Production Process, Discussion of Formation of Impurities, Certified Limits, Preliminary Analysis, and Enforcement Analytical Methods for Aminopyralid (XDE-750) Technical, DACO: 2.11.1, 2.11.2, 2.11.3, 2.11.4, 2.12.1, 2.13.1, 2.13.2, 2.13.3, 2.13.4, 2.3, 2.3.1, 2.4, 2.5, 2.6, 2.7, 2.8, 2.9 CBI
749650	2004, Group A: Product Identity and Composition, Description of Materials used to Produce the Product, Description of the Production Process, Discussion of Formation of Impurities, Certified Limits, Preliminary Analysis, and Enforcement Analytical Methods for Aminopyralid (XDE-750) Technical, DACO: 2.11.1, 2.11.2, 2.11.3, 2.11.4, 2.12.1, 2.13.1, 2.13.2, 2.13.3, 2.13.4, 2.3, 2.3.1, 2.4, 2.5, 2.6, 2.7, 2.8, 2.9 CBI
2663675	2016, Applicant and Manufacturer Name and Address, DACO: 2.1, 2.2 CBI
2663677	2016, Analysis of Product Samples for Active Ingredient and Impurities in Aminopyralid Technical Grade Active Ingredient, DACO: 2.13.3 CBI
2728698	2016, Group A-Description of Materials Used to Produce the Product, Description of Production Process, and Preliminary Analysis for Aminopyralid Technical from an Alternate Supplier - Supplemental Information for MRIDs 46235701, 47213701, and 47266001, DACO: 2.13.3 CBI

ISSN: 1911-8082

8 Her Majesty the Queen in Right of Canada, represented by the Minister of Public Works and Government Services Canada 2017

All rights reserved. No part of this information (publication or product) may be reproduced or transmitted in any form or by any means, electronic, mechanical photocopying, recording or otherwise, or stored in a retrieval system, without prior written permission of the Minister of Public Works and Government Services Canada, Ottawa, Ontario K1A 0S5.