

Evaluation Report for Category B, Subcategory 1.1 Application

Application Number: 2022-6683
Application: Changes to a Technical Grade Active Ingredient (Product Chemistry) – New Source (Site) Same Registrant
Product: Albaugh 2,4-D Technical Acid Herbicide
Registration Number: 27437
Active ingredient (a.i.): 2,4-D (present as acid)
PMRA Document Number: 3552738

Purpose of Application

The purpose of this application was to amend the registration of Albaugh 2,4-D Technical Acid Herbicide to add new manufacturing sites.

Chemistry Assessment

Common Name: 2,4-D (present as acid)
 IUPAC* Chemical Name: (2,4-dichlorophenoxy)acetic acid
 CAS† Chemical Name: 2-(2,4-dichlorophenoxy)acetic acid

* International Union of Pure and Applied Chemistry

† Chemical Abstracts Service

Albaugh 2,4-D Technical Acid Herbicide has the following properties:

Property	Result
Colour and physical state	Off-white solid
Nominal concentration	97.63%
Odour	Slight phenolic odour
Density	1.42 kg/L (20 °C)
Vapour pressure	0.0099 mPa (20 °C) 0.023 mPa (25 °C)
pH	2.9
Solubility in water	24.3 g/L (pH 7)
n-Octanol/water partition coefficient	Log K _{ow} = -0.82 (pH 7)

The required chemistry data for Albaugh 2,4-D Technical Acid 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 provided, and has found the information acceptable to support the amendment of Albaugh 2,4-D Technical Acid Herbicide to add new manufacturing sites.

References

PMRA Document Number	Reference
3421575	2022, [PRIVACY INFO Removed]_0821_Five Batch Study, DACO: 2.13,2.13.1,2.13.3 CBI
3421577	2018, [PRIVACY INFO Removed] 24-D 5 Batch, DACO: 2.11.4,2.13,2.13.1,2.13.2,2.13.3 CBI
3421579	2022, [PRIVACY INFO Removed] 24-D Manufacturing Process, DACO: 2.11,2.11.1 CBI
3421582	2022, [PRIVACY INFO Removed]_G23597_FR_Five batch_11 MAR 2022-C2, DACO: 2.13.1,2.13.2,2.13.3 CBI
3421583	2022, DIOXINAS SP-312, DACO: 2.13.3 CBI
3429958	2023, Batch data_[PRIVACY INFO Removed], DACO: 2.13.3
3551617	2024, 2,4-D Acid Manufacturing Process with impurities description_Canada_Final_Revised_29-01-2024, DACO: 2.11.3 CBI

© His Majesty the King in Right of Canada, as represented by the Minister of Health Canada, 2024

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 Health Canada, Ottawa, Ontario K1A 0K9.