



Evaluation Report for Category B, Subcategory 1.1 Application

Application Number: 2019-0602
Application: New TGAI Prod Chemistry-New Source same registrant
Product: Fomesafen Technical Active Ingredient Herbicide
Registration Number: 28133
Active ingredient (a.i.): Fomesafen
PMRA Document Number : 3131994

Purpose of Application

The purpose of this application was to register a new source to Fomesafen Technical Active Ingredient Herbicide.

Chemistry Assessment

Common Name: Fomesafen
IUPAC* Chemical Name: 5-(2-chloro- α,α,α -trifluoro-*p*-tolylloxy)-*N*-mesyl-2-nitrobenzamide
CAS† Chemical Name: 5-[2-chloro-4-(trifluoromethyl)phenoxy]-*N*-(methylsulfonyl)-2-nitrobenzamide

* International Union of Pure and Applied Chemistry

† Chemical Abstracts Service

Fomesafen Technical Active Ingredient Herbicide has the following properties:

Property	Result
Colour and physical state	White solid
Nominal concentration	98.0%
Odour	None
Density	1.61 g/cm ³
Vapour pressure	< 4 x 10 ⁻⁶ Pa (at 20°C)
pH	3 - 6 (1% solution in water)
Solubility in water	50 mg/L (20°C)
n-Octanol/water partition coefficient	Log K _{ow} = 3.4 (pH 4) Log K _{ow} = -1.2 (pH 7)

The required chemistry data for Fomesafen Technical Active Ingredient

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 sufficient to support the new source of Fomesafen Technical Active Ingredient Herbicide.

References

PMRA Document Number	References
3125670	2020, PP21 - Document J - Confidential Information, DACO: 2.11.1, 2.11.2, 2.11.3, 2.11.4, 2.12.1, 2.12.2, 2.13.3, 2.13.4, 2.2 CBI
2972347	2019, Fomesafen - PP21 - Document J - Product Chemistry Volume, DACO: 2.11.1, 2.11.2, 2.11.3, 2.11.4, 2.12.1, 2.12.2, 2.13.3, 2.13. 4, 2.2 CBI
2962315	2018, Fomesafen Technical - Validation of Analytical Method SA-7/1 - Final Report, DACO: 2.13.1 CBI
1243492	2004, Manufacturing Process Description and Supporting Data for Formesafen Technical and Material Safety Data Sheets, DACO: 2.11.2
1243491	2004, Description of Production Process - Confidential Cross Reference 3, DACO: 2.11.3 CBI
1243490	2004, Discussion of Formation of Impurities - Confidential Cross Reference 4, DACO: 2.11.4 CBI
1243485	2004, Analytical Method SA-7/1 - Fomesafen (PP21) Content by HPLC, DACO: 2.13.1 CBI

© Her Majesty the Queen in Right of Canada, as represented by the Minister of Health Canada, 2020

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.