

## Evaluation Report for Category B, Subcategory 1.1 Application

**Application Number:** 2021-0267  
**Application:** Changes to TGAI (Product Chemistry) - New Source (site), same registrant  
**Product:** FBN Glyphosate Technical  
**Registration Number:** 31062  
**Active ingredient (a.i.):** Glyphosate  
**PMRA Document Number:** 3308931

### Purpose of Application

The purpose of this application was to add a new source to FBN Glyphosate Technical.

### Chemistry Assessment

Common Name: glyphosate  
IUPAC\* Chemical Name: *N*-(phosphonomethyl)glycine  
CAS† Chemical Name: *N*-(phosphonomethyl)glycine

\* International Union of Pure and Applied Chemistry

† Chemical Abstracts Service

FBN Glyphosate Technical has the following properties:

Property	Result
Colour and physical state	White solid
Nominal concentration	98.0 %
Odour	Odourless
Density	1.55 g/mL
Vapour pressure	4.2 mPa at 25°C
pH	1.96
Solubility in water	11.08 g/L (pH 1.96)
n-Octanol/water partition coefficient	log $K_{ow}$ < -1.8 (pH 7)

The required chemistry data for FBN Glyphosate 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 addition of a new source to FBN Glyphosate Technical.

## References

<b>PMRA Document Number</b>	<b>Reference</b>
3193885	2020, Suppliers Address List for Starting Materials, DACO: 2.11.2 CBI
3193891	2017, 5-Batch Analysis of Glyphosate TGAI in Accordance with Regulation (EC) No. 1107/2009, Referencing SANCO 3030/99 rev. 4, DACO: 2.13.1, 2.13.2, 2.13.3, 2.13.4 CBI
3193902	2017, Manufacturing Process Glyphosate TC, DACO: 2.11, 2.11.1, 2.11.2, 2.11.3, 2.11.4 CBI
3193903	2016, Volume 8: UV-Vis Absorption of Glyphosate TGAI, DACO: 2.14.12 CBI
3193905	2016, Volume 9: Melting Point of Glyphosate TGAI, DACO: 2.14.4 CBI
3193907	2016, Volume 3: Color, Physical State and Odor of Glyphosate TGAI, DACO: 2.14.1, 2.14.2, 2.14.3 CBI
3193909	2016, Volume 4: pH of Glyphosate TGAI, DACO: 2.14.15, 830.7000 CBI
3193911	2016, Volume 5: Density of Glyphosate TGAI, DACO: 2.14.6 CBI
3193913	2016, Volume 10: Partition Coefficient of Glyphosate TGAI, DACO: 2.14.11 CBI
3193915	2016, Volume 11: Solubility of Glyphosate TGAI, DACO: 2.14.7, 2.14.8 CBI
3193916	2016, Volume 12: Vapor Pressure of Glyphosate TGAI, DACO: 2.14.9 CBI
3193917	2016, Volume 6: Dissociation Constant in water of Glyphosate TGAI, DACO: 2.14.10 CBI
3193918	2016, Volume 7: Accelerated Storage Stability of Glyphosate TGAI, DACO: 2.14.13 CBI
3193920	2017, Spectral Information EPP Impurities, DACO: 2.13.2 CBI

© Her Majesty the Queen in Right of Canada, as represented by the Minister of Health Canada, 2022

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.