



## Evaluation Report for Category B, Subcategory 1.1 Application

**Application Number:** 2013-4337  
**Application:** New / Changes TGAI or ISP Prod Chemistry-New Source(site) same registrant  
**Product:** TECHNICAL TOUCHDOWN HERBICIDE  
**Registration Number:** 28983  
**Active ingredients (a.i.):** Glyphosate  
**PMRA Document Number :** 2428837

### Purpose of Application

The purpose of this application was to add a new source to the registered product, Technical Touchdown Herbicide (PCPA Reg. No. 28983). This application was reviewed as a work share with the US.

### Chemistry Assessment

**Common Name:** glyphosate  
**CAS Chemical Name:** glycine, *N*-(phosphonomethyl)-  
**IUPAC Chemical Name:** [(phosphonomethyl)amino]acetic acid

Technical Touchdown Herbicide has the following properties:

Property	Result
Colour and physical state	White solid
Nominal concentration	97.1%
Odour	No characteristic odour
Density at 20°C	1.84 g/cm <sup>3</sup>
Vapour pressure	1.3 x 10 <sup>-8</sup> KPa at 25°C
pH	1.9 (1% in water)
Solubility in water	11.6 g/L at 25°C
n-Octanol/water partition coefficient (K <sub>ow</sub> )	Log K <sub>ow</sub> < -1.3

The chemistry requirements for Technical Touchdown Herbicide have been fulfilled.

## 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 is able to support the registration of Technical Touchdown Herbicide.

## References

<b>PMRA Document Number</b>	<b>Reference</b>
2184741	2011, Structural Confirmation of By-products in Glyphosate (Glycine Route) by Mass Spectroscopy, DACO: 2.13.2 CBI
2246487	2007, Glyphosate - Library of Sample and Impurity Spectra, Representative of Those Obtained for Large-Scale Batches of Technical Material Produced at [Private information removed]. Final Report., DACO: 2.13.2 CBI
2246488	2006, Certificate of Analysis - R071698 Impurity Reference, DACO: 2.13.2 CBI
2334804	2012, Analytical method SA-62/1. Determination of glyphosate (ASF71) in technical material by high performance liquid chromatography, DACO: 2.13.1,IIA 4.2.1 CBI
2334805	2012, ASF71 - Validation of Analytical method SA-62/1 Final report, DACO: 2.13.1,IIA 4.2.1 CBI
2419289	2014, Clarification response - Confidential Business Information , DACO: 2.12.2,2.13.1,2.13.2 CBI
2419292	2013, Glyphosate Technical (ASF71) - Validation of accuracy and linearity for method SBA-58/1 - Final report, DACO: 2.13.1 CBI
2419294	2013, Certificate of Analysis, DACO: 2.13.2 CBI
2422066	2014, Clarification Response - Confidential Business Information, DACO: 2.13.1 CBI
2422067	2013, Glyphosate Technical (ASF71) - Validation of accuracy and linearity for method SBA-59/1 - Final report, DACO: 2.13.1 CBI
2422068	2008, Certificate of Analysis, DACO: 2.13.1 CBI

ISSN: 1911-8082

© Her Majesty the Queen in Right of Canada, represented by the Minister of Public Works and Government Services  
Canada 2014

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.