

## Evaluation Report for Category B, Subcategory 1.1 Application

**Application Number:** 2018-2856  
**Application:** Changes TGAI Product Chemistry-New Source(site) same registrant  
**Product:** Technical Glyphosate Herbicide  
**Registration Number:** 28967  
**Active ingredient (a.i.):** Glyphosate  
**PMRA Document Number:** 2996308

### Purpose of Application

The purpose of this application was to register a new source of technical grade active ingredient for Technical Glyphosate Herbicide.

### 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

Technical Glyphosate Herbicide has the following properties:

Property	Result
Colour and physical state	White crystal
Nominal concentration	96.2%
Odour	Odourless
Density	1.7 g/mL at 20°C
Vapour pressure	$1.31 \times 10^{-2}$ mPa at 25°C
pH	2.05 (1% solution)
Solubility in water	10.5 g/L (pH 1.9, 20-25 °C)
n-Octanol/water partition coefficient	$\log K_{ow} = <-3.2$ (pH 5-9)

The required chemistry data for Technical Glyphosate 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 it sufficient to register the new source of technical grade active ingredient for Technical Glyphosate Herbicide.

## References

<b>PMRA Document Number</b>	<b>Reference</b>
2898314	2018, Part 2 - Chemistry - Applicant and Manufacturer name and address, DACO: 2.1, 2.2, CBI
2898315	2018, Group A-Product Identity and Composition, Description of Materials Used to Produce the Product, Description of Production Process, Discussion of Formation of Impurities, Preliminary Analysis, Certified Limits, and Enforcement Analytical Method for Glyphosate Technical, DACO: 2.11.1,2.11.2,2.11.3,2.11.4, 2.12.1, CBI
2898316	2011, Qualitative and Quantitative Profile of the test substance BHUB 001T (Five Batch Analysis), DACO: 2.13.2,2.13.3, CBI

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