

## New Source by Same Registrant Evaluation Report for Category B, Subcategory 1.1 Application

**Application Number:** 2007-0221  
**Application:** New source by same registrant  
**Product:** Technical Glyphosate Herbicide  
**Registration Number:** 28967  
**Active ingredient (a.i.):** Glyphosate  
**PMRA Document Number:** 1577649

### Background

The original source of glyphosate technical grade active ingredient, Glyphosate Technical Grade (Reg. No. 19535), was first registered in 1986.

### Purpose of Application

The purpose of this application is to register a new technical source of glyphosate.

### Chemistry Assessment

Common name: Glyphosate  
Chemical name: *N*-(phosphonomethyl)glycine

Technical Glyphosate Herbicide has the following properties:

Property	Result
Colour and physical state	Colourless crystals
Nominal concentration	96.2%
Odour	Not provided
Density	1.7 g/mL
Vapour pressure	$1.31 \times 10^{-2}$ mPa
pH	2.05
Solubility in water	10.5 g/L
n-Octanol/water partition coefficient	Log $K_{ow}$ < -3.2 for pH 2-5

The chemistry requirements for Technical Glyphosate Herbicide have been completed.

### **Health and Environmental Assessment**

The health and environmental risk profile of Technical Glyphosate Herbicide is expected to be similar to that of the original registered source of technical glyphosate.

### **Value Assessment**

A value assessment is not required for technical grade active ingredient products.

### **Conclusion**

The PMRA has completed an evaluation of the subject application and has determined that Technical Glyphosate Herbicide is eligible for registration.

### **References**

- 1362711 2006, Applicant & Manufacturer Name & Address - Glyphosate (GF-1548) Alternate Source [CBI REMOVED], N/A, MRID: N/A, DACO: 2.1,2.2 CBI
- 1362712 2006, Description of Materials Used to Produce the Product, Description of Manufacturing Process, and Discussion of Formation of Impurities for Glyphosate Technical (GF-1548), NASFT-06-004, MRID: N/A, DACO: 2.11.1,2.11.2,2.11.3,2.11.4 CBI
- 1362713 2006, Group A: Product Identity and Composition, Description of Manufacturing Process, Discussion of Formation of Impurities, Preliminary Analysis, Certified Limits and Enforcement Analytical Methods for Glyphosate Technical (GF-1548), NASFT-06-061, MRID
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