

## Evaluation Report for Category B, Subcategory 1.1, 1.3 Application

**Application Number:** 2014-5642  
**Application:** Changes to TGAI; New source and chemistry specifications  
**Product:** Glyphosate Technical Herbicide  
**Registration Number:** 28882  
**Active ingredients (a.i.):** Glyphosate  
**PMRA Document Number :** 2568664

### Purpose of Application

The purpose of this application was to add a new source of Glyphosate Technical Herbicide (registration number 28882) and to update the product specifications of the registered source.

### 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

Glyphosate Technical Herbicide has the following properties:

Property	Result
Colour and physical state	White crystalline powder
Nominal concentration	98.5%
Odour	Odourless
Specific gravity at 20-21°C	1.705
Vapour pressure at 25°C	$1.31 \times 10^{-2}$ mPa
pH	4.5-6.8
Solubility in water at 25°C	11.6 g/L
n-Octanol/water partition coefficient	Log $K_{ow}$ < -3.1

The required chemistry data for Glyphosate Technical Herbicide have been

provided, reviewed, and found to be acceptable.

### **Health, Environmental, and Value Assessments**

Health, environmental, and value assessments were not applicable to this application to add a new source of technical and update the product specifications.

### **Conclusion**

The PMRA approved the new source for Glyphosate Technical Herbicide as it was found to be chemically equivalent to the previously registered source and the changes to the chemistry specifications were approved.

### **References**

#### **PMRA**

#### **Document**

<b>Number</b>	<b>Reference</b>
2419000	2008, Qualitative and Quantitative Profile of the test substance Glyphosate Technical (Five Batch Study), DACO: 2.13.3 CBI
2419002	2008, Qualitative and Quantitative Profile of the test substance Glyphosate Technical (Five Batch Study), DACO: 2.13.3 CBI
2419003	2009, Qualitative and Quantitative Profile of the test substance Glyphosate Technical (Five Batch Study), DACO: 2.13.3 CBI
2479153	2012, Glyphosate 97% TC [CBI Removed]: Quantification and Identification of the Active Ingredient and Impurities in Five Batches by Validated Methods, DACO: 2.13.3 CBI
2479154	2014, Manufacture Process and Synthesis Pathway for Glyphosate [CBI Removed], DACO: 2.11,2.11.1,2.11.2,2.11.3,2.11.4,2.12.1 CBI

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