

## Evaluation Report for Category B, Subcategory 1.3 Application

**Application Number:** 2014-1447  
**Application:** Changes to TGAI Prod Chemistry-Specifications  
**Product:** Glyphosate Technical  
**Registration Number:** 24337  
**Active ingredients (a.i.):** Glyphosate  
**PMRA Document Number :** 2533198

### Background

As a result of the re-evaluation of glyphosate, analytical data from five recent batches of the technical grade active ingredient (including impurities of concern) were requested.

### Purpose of Application

The purpose of this application was to provide the information requested under the re-evaluation and to amend the chemistry specifications of 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

Glyphosate Technical has the following properties:

Property	Result
Colour and physical state	White solid
Nominal concentration	85.8 %
Odour	Odourless
Density @ 20°C	1.655 g/mL
Vapour pressure @ 25°C	$1.31 \times 10^{-5}$ Pa
pH	1.97 (1% solution at 25°C)

Property	Result
Solubility in water	10 g/L (20°C)
n-Octanol/water partition coefficient (K <sub>ow</sub> )	Log K <sub>ow</sub> < -3.2 (pH 2-5)

The chemistry requirements for Glyphosate Technical have been fulfilled.

### Health Assessments

The proposed update of the product specification form of Glyphosate does not alter the product. Subsequently, no toxicological data were submitted or are required.

### Environmental and Value Assessments

Environmental and value assessments were not required for this application.

### Conclusion

The Pest Management Regulatory Agency has completed an assessment of the information provided in support of the product, Glyphosate Technical, and has found the information sufficient to amend the chemistry specifications of this TGAI.

### References

#### Studies/Information Provided by Applicant/Registrant

PMRA Document Number	Reference
2419347	2008, 5 batch analysis, DACO: 2.13.3 CBI

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