

## Evaluation Report for Category B, Subcategory 1.1 Application

**Application Number:** 2008-4132  
**Application:** New/Changes to the technical grade active ingredient – new source (site) same registrant  
**Product:** Nufarm Glyphosate Technical Acid  
**Registration Number:** 28857  
**Active ingredients (a.i.):** Glyphosate [GPS]  
**PMRA Document Number:** 1878094

### Purpose of Application

The purpose of this category B.1.1 application is to add a new source of the technical grade active ingredient to the currently registered product (PCP # 28857).

### Chemistry Assessment

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

Nufarm Glyphosate Technical Acid has the following properties:

Property	Results
Colour and physical state	White to off-white solid
Nominal concentration	96.5 %
Odour	Odourless
Density	1.62 g/cm <sup>3</sup>
Vapour pressure	6.7 x 10 <sup>-7</sup> Pa
pH	2.2 (1% solution)
Solubility in water	10.1 g/L
n-Octanol/water partition coefficient	log Kow = <-3.2 at pH 2-5 log Kow = <-6.3 at pH 4, 7, 10

The chemistry requirements for Nufarm Glyphosate Technical Acid have been completed.

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

Health, environmental and value assessments were not required for this application.

## **Conclusion**

The PMRA has conducted a review of the available information for this application and has concluded that the addition of a new source for the production of Nufarm Glyphosate Technical Acid is acceptable.

## References

- 1651365 2008, 28857 5-Batch Analysis, DACO: 2.13.3 CBI
- 1651366 2008, NUP 07164 PHYSICO-CHEMICAL PROPERTIES, DACO:  
2.14.1,2.14.12,2.14.13,2.14.2,2.14.3 CBI
- 1651367 2008, NUP 07164 Product Identity and Composition RTP-08-073-REG, DACO:  
2.11.1,2.11.2,2.11.4,2.12.1,3.4.1 CBI
- 1651369 2008, 28857 - Glyphosate Acid Summary, DACO:  
2.6,2.7,2.8,2.9,3.1.1,3.1.2,3.1.3,3.1.4 CBI

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