

## Evaluation Report for Category L, Subcategory 1.1 Application

**Application Number:** 2017-5542  
**Application:** Submissions Subject to Protection of Propriety Interests in Pesticide Data Policy  
**Product:** WOC Glufosinate-Ammonium Technical  
**Registration Number:** 33179  
**Active ingredient (a.i.):** Glufosinate-ammonium  
**PMRA Document Number :** 2879890

### Purpose of Application

The purpose of this application was to register WOC Glufosinate-Ammonium Technical, a new source of the technical grade active ingredient glufosinate-ammonium, by a new registrant based on a precedent.

### Chemistry Assessment

**Common Name:** Glufosinate-ammonium  
**IUPAC\* Chemical Name:** ammonium (2RS)-2-amino-4-(methylphosphinato)butyric acid  
**CAS† Chemical Name:** 2-amino-4-(hydroxymethylphosphinyl)butanoic acid monoammonium salt

\* International Union of Pure and Applied Chemistry

† Chemical Abstracts Service

WOC Glufosinate-Ammonium Technical has the following properties:

Property	Result
Colour and physical state	White
Nominal concentration	95%
Odour	Odourless
Density	1.3815 g/mL
Vapour pressure	<0.031 Pa (at 50°C)
pH	5.95 (1% aqueous suspension)
Solubility in water	880.83 g/L (pH = 4) 874.06 g/L (pH = 7) 847.96 g/L (pH = 9)

Property	Result
n-Octanol/water partition coefficient	Log K <sub>ow</sub> = -2.2 (pH 7 at 25°C)

The required chemistry data for WOC Glufosinate-Ammonium Technical 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 WOC Glufosinate-Ammonium Technical, a new source of the technical grade active ingredient glufosinate-ammonium.

### References

PMRA Document Number	References
2806092	2016, Manufacturing process of Glufosinate ammonium, DACO: 2.11.1,2.11.2,2.11.3,2.11.4 CBI
2806093	2017, Suppliers Address List for Starting Materials, DACO: 2.11.2 CBI
2806095	2015, Qualitative and Quantitative Profile of the test substance Glufosinate-ammonium 95% Technical (Five Batch Analysis), DACO: 2.13,2.13.1,2.13.2,2.13.3 CBI
2806098	2016, Determination of Colour of Glufosinate Ammonium 95% TC, DACO: 2.14.1
2806099	2017, Determination of Physical State of Glufosinate Ammonium 95% TC, DACO: 2.14.2
2806100	2016, Determination of Odour Glufosinate Ammonium 95% TC, DACO: 2.14.3
2806101	2017, Determination of Melting Point/Melting Range of Glufosinate Ammonium 95% TC, DACO: 2.14.4
2806102	2017, Determination of Density and Specific Gravity of Glufosinate, DACO: 2.14.6
2806103	2017, Determination of Solubility of Glufosinate Ammonium 95% TC in Water, DACO: 2.14.7
2806104	2017, Determination of Solubility of Glufosinate Ammonium 95% TC in Organic Solvents, DACO: 2.14.8
2806105	2017, Determination of Vapour Pressure of Glufosinate Ammonium 95% TC, DACO: 2.14.9
2806106	2016, Determination of Dissociation Constant of Glufosinate Ammonium 95% TC, DACO: 2.14.10

- 2806107 2017, Determination of Partition Coefficient of Glufosinate Ammonium 95% TC, DACO: 2.14.11
- 2806108 2017, Determination of UV-Visible Spectrum of Glufosinate Ammonium 95% TC, DACO: 2.14.12
- 2806109 2016, Determination of Accelerated Storage Stability of Glufosinate Ammonium 95% TC with Packaging Material, DACO: 2.14.13
- 2806110 2017, Determination of pH of Glufosinate Ammonium 95% TC, DACO: 2.14.15

ISSN: 1911-8082

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