

## Evaluation Report for Category L, Subcategory 1.1 Application

**Application Number:** 2017-8107  
**Application:** Submissions subject to Protection of Proprietary Interests in Pesticide Data policy-Equivalency/Data Compensation Assessment  
**Product:** Wuhai Glufosinate-Ammonium 96%  
**Registration Number:** 33484  
**Active ingredient (a.i.):** Glufosinate-ammonium  
**PMRA Document Number:** 2965915

### Purpose of Application

The purpose of this application was to register a new source of technical-grade glufosinate-ammonium based on a registered precedent.

### Chemistry Assessment

**Common Name:** Glufosinate-ammonium  
**IUPAC\* Chemical Name:** Ammonium (2*RS*)-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

Wuhai Glufosinate-Ammonium 96% has the following properties:

Property	Result
Colour and physical state	Signal white solid
Nominal concentration	96%
Odour	Odourless
Density	1.38 g/mL
Vapour pressure	0.00463 mPa (25°C)
pH	5.79
Solubility in water	997.4 g/L (pH = 5.94)
n-Octanol/water partition coefficient	Log K <sub>ow</sub> = < -2.02 (pH 7)

The required chemistry data for Wuhai Glufosinate-Ammonium 96% 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 Wuhai Glufosinate-Ammonium 96%.

## References

<b>PMRA Document Number</b>	<b>Reference</b>
2835999	2017, Applicants name and office address, DACO: 2.1
2836000	2017, Manufactures name and office address and plants name and office address, DACO: 2.2
2836001	2017, Product Trade Name, DACO: 2.3
2836002	2017, Common Name, DACO: 2.4
2836003	2017, Chemical Name, DACO: 2.5
2836004	2017, Chemical Abstracts Registry Number, DACO: 2.6
2836005	2017, Structural Formula, DACO: 2.7
2836006	2017, Molecular Formula, DACO: 2.8
2836007	2017, Molecular Weight, DACO: 2.9
2836008	2017, Manufacturing Methods For The TGAI, DACO: 2.11 CBI
2836010	2015, Establishing Certified Limits, DACO: 2.12.1 CBI
2836012	2015, Methodology/Validation, DACO: 2.13.1 CBI
2836013	2015, Odour, DACO: 2.14.1,2.14.2,2.14.3 CBI
2836014	2015, Melting Point/Melting Range, DACO: 2.14.4 CBI
2836015	2015, Density Or Specific Gravity, DACO: 2.14.6 CBI
2836016	2015, Solvent Solubility (MG/L), DACO: 2.14.7,2.14.8 CBI
2836017	2015, Vapour Pressure, DACO: 2.14.9 CBI
2836018	2015, Dissociation Constant, DACO: 2.14.10 CBI
2836019	2015, Octanol/Water Partition Coefficient, DACO: 2.14.11 CBI
2836020	2015, UV/Visible Absorption Spectra, DACO: 2.14.12 CBI
2836021	2015, Storage Stability DATA, DACO: 2.14.13,2.14.14 CBI
2836022	2015, (pH), DACO: 2.14.15,830.7000 CBI
2837381	2015, Confirmation Of Identity, DACO: 2.13.1,2.13.2,2.13.3,2.13.4 CBI
2894657	2012, Methodology/Validation, DACO: 2.13.1 CBI
2894658	2012, Methodology/Validation, DACO: 2.13.1 CBI
2894659	2012, Methodology/Validation, DACO: 2.13.1 CBI
2894660	2013, Methodology/Validation, DACO: 2.13.1 CBI
2947996	2018, Impurities Of Toxicological Concern, DACO: 2.13.4 CBI
2955796	2019, Impurities Of Toxicological Concern, DACO: 2.13.1,2.13.4 CBI

ISSN: 1911-8082

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