

Evaluation Report for Category L Subcategory 1.1 Application

Application Number: 2018-2015
Application: Submissions Subject to Protection of Proprietary Interests in Pesticide Data Policy-Equivalency/Data Compensation Assessment
Product: Veyong Glufosinate Ammonium 96% Technical
Registration Number: 33531
Active ingredient (a.i.): Glufosinate-Ammonium
PMRA Document Number : 3016186

Purpose of Application

The purpose of this application was to register a new source of glufosinate-ammonium, Veyong Glufosinate Ammonium 96% Technical, by a new registrant.

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

Veyong Glufosinate Ammonium 96% Technical has the following properties:

Property	Result
Colour and physical state	White solid
Nominal concentration	96%
Odour	Odourless
Density	1.4 g/mL at 20°C
Vapour pressure	3.3×10^{-5} mPa at 20°C
pH	5.87 at 25°C
Solubility in water	683.87 g/L at 20°C
n-Octanol/water partition coefficient	Log K_{ow} <-1.77

The required chemistry data for Veyong Glufosinate Ammonium 96% 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 support the registration of Veyong Glufosinate Ammonium 96% Technical.

References

PMRA Document Number	References
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2884653	2015, DACO 2.14.11 Water Partition Coefficient, DACO: 2.14.11 CBI
2884654	2015, UV (DACO 2.14.12, DACO: 2.14.12 CBI
2884655	2015, DACO 2.14.15 PH, DACO: 2.14.15,830.7000 CBI
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2884657	2015, DACO 2.14.2 Physical State, DACO: 2.14.2 CBI
2884658	2015, DACO 2.14.7 Water Solubility, DACO: 2.14.7 CBI
2884659	2015, DACO 2.14.13 Stability, DACO: 2.14.13 CBI
2884660	2015, DACO 2.14.9 Vapour pressure, DACO: 2.14.9 CBI
2884661	2015, Corrosion Characteristics, DACO: 2.16 CBI
2884662	2015, DACO 2.14.4 Melting Point, DACO: 2.14.4 CBI
2884663	2015, Preliminary Analysis of Glufosinate-ammonium TGAI, DACO: 2.13.1,2.13.2,2.13.3,2.13.4 CBI
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2884666	2018, DACO 2.11 Manufacturing Process, DACO: 2.11 CBI
2884670	2015, DACO 2.14.6 Density, DACO: 2.14.6 CBI
2932193	2018, New dissociation constant for Sub. No. 2018-2015, DACO: 2.14.10
2999713	2019, Impurites analysis, DACO: 2.13.4 CBI
2999744	2018, Updated manufacturing process, DACO: 2.11.3 CBI
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2999746	2012, Methodology [CBI Removed], DACO: 2.13.1 CBI
2999747	2013, Methodology [CBI Removed], DACO: 2.13.1 CBI
2999748	2012, Methodology [CBI Removed], DACO: 2.13.1 CBI
2999749	2019, Impurites analysis, DACO: 2.13.4 CBI

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