

Evaluation Report for Category L, Subcategory 1.1 Application

Application Number: 2017-2947
Application: Submissions subject to Protection of Propriety Interests in Pesticide Data Policy
Product: Lier Glufosinate ammonium 95% Technical
Registration Number: 33136
Active ingredient (a.i.): Glufosinate-ammonium
PMRA Document Number : 2877133

Purpose of Application

The purpose of this application was to register Lier Glufosinate ammonium 95% 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

Lier Glufosinate ammonium 95% Technical has the following properties:

Property	Result
Colour and physical state	White solid
Nominal concentration	95%
Odour	Odourless
Density	1.3790 g/mL
Vapour pressure	<0.031 mPa (50 °C)
pH	5.95
Solubility in water	<u>pH</u> <u>Solubility (g/L)</u>
	4.0 880.83
	7.0 874.06
	9.0 847.96

Property	Result
n-Octanol/water partition coefficient	log K _{ow} : -2.22 at 25°C

The required chemistry data for Lier Glufosinate ammonium 95% 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 available information and has found it sufficient to register Lier Glufosinate ammonium 95% Technical, a new source of the technical grade active ingredient glufosinate-ammonium.

References

PMRA Document Number	References
2773131	2017, applicant and product info, DACO: 2.1,2.2,2.3,2.3.1,2.4,2.5,2.6,2.7,2.8,2.9
2773132	2015, DACO 2.11, DACO 2.13 Five Batches Analysis Report, DACO: 2.11,2.13.1,2.13.2,2.13.3,2.13.4 CBI
2773133	2017, Physical and chemical reports, DACO: 2.14 CBI
2778412	2017, Manufacturing methods for [CBI REMOVED] Lier glufosinate tech, DACO: 2.11.1,2.11.2,2.11.3,2.11.4 CBI
2854251	2018, Updated DACO 2.13.1-4 for sub No 2017-2947, DACO: 2.13.1,2.13.2,2.13.3,2.13.4 CBI
2871609	2015, 5 Batch report for Sub. No 2017-2947, DACO: 2.13.1,2.13.2,2.13.3,2.13.4 CBI
2871610	2018, Amendment document of 5 batch for Sub. No 2017-2947, DACO: 2.13.4 CBI
2871611	2018, Amendment document of 5 batch for Sub No 2017-2947, DACO: 2.13.4 CBI

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