



Evaluation Report for Category B, Subcategory 1.1 Application

Application Number: 2022-4381
Application: Changes to Technical Grade Active Ingredient Product Chemistry-
New Source (Site) Same Registrant
Product: Glufosinate Ammonium Technical Herbicide
Registration Number: 23178
Active ingredient (a.i.): Glufosinate-ammonium
PMRA Document Number: 3508465

Purpose of Application

The purpose of this application was to add two new manufacturing sites for Glufosinate Ammonium Technical Herbicide.

Chemistry Assessment

Common Name: glufosinate-ammonium
English IUPAC* Chemical Name: ammonium [(3*RS*)-3-amino-3-carboxypropyl]methylphosphinate
CAS† Chemical Name: 2-amino-4-(hydroxymethylphosphinyl)butanoic acid monoammonium salt

* International Union of Pure and Applied Chemistry

† Chemical Abstracts Service

Glufosinate Ammonium Technical Herbicide has the following properties:

Property	Result
Colour and physical state	White crystalline solid
Nominal concentration	95.5%
Odour	Slight pungent odour
Density	1.4 kg/L
Vapour pressure	<0.1 mPa (20°C)
pH	7.0 (1% w/v)
Solubility in water	1370 g/L (22°C)
n-Octanol/water partition coefficient	Log K_{ow} < 0.1 at pH 7

The required chemistry data for Glufosinate Ammonium Technical Herbicide 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 the information acceptable to support the addition of two new manufacturing sites for Glufosinate Ammonium Technical Herbicide.

References

PMRA

Document

Number

Reference

3385598	2022, Documentation of Equivalency for [PRIVACY INFO REMOVED], DACO: 2.11.1,2.11.2,2.11.3,2.11.4,2.12.1,2.13.4 CBI
3385599	2022, Documentation of Equivalency for [PRIVACY INFO REMOVED], DACO: 2.11.1,2.11.2,2.11.3,2.11.4,2.12.1,2.13.4 CBI
3385600	2021, Characterization of five technical batches of Glufosinate-ammonium (BAS 1000 H) TC 95, [PRIVACY INFO REMOVED], DACO: 2.13.2,2.13.3 CBI
3385601	2022, 1st Amendment to Final Report B 009/2021: Characterization of five technical batches of Glufosinate-ammonium (BAS 1000 H) TC 95, [PRIVACY INFO REMOVED], DACO: 2.13.2,2.13.3 CBI
3385602	2022, Determination of [CBI REMOVED] in Five Batches BAS 1000 H (TK95), DACO: 2.13.2,2.13.3 CBI
3385603	2022, Final Report Amendment No. 1 to Final Report: Determination of [CBI REMOVED] in Five Batches BAS 1000 H (TC95), DACO: 2.13.2,2.13.3 CBI
3385604	2022, Final Report Amendment No. 2 to Final Report: Determination of [CBI REMOVED] in Five Batches BAS 1000 H (TC95), DACO: 2.13.2,2.13.3 CBI
3385605	2021, Preliminary Analysis, Enforcement Analytical Method & Qualitative and Quantitative Profile of Glufosinate-ammonium Technical (Five Batch Analysis), DACO: 2.13.1,2.13.2,2.13.3 CBI
3385606	2022, Determination of [CBI REMOVED] in Multiple Batches of Glufosinate-ammonium 95% TC (BAS 1000 H), DACO: 2.13.1,2.13.2,2.13.3 CBI
3385607	2021, Determination of the active ingredient Reg. No. 163209 in Glufosinate-ammonium (GA) BAS 1000 H (TC 95) and BAS 1000 02 H (TK 50) [CBI REMOVED], DACO: 2.13.1 CBI
3385609	2021, Validation of an analytical method for the determination of the active ingredient Reg. No. 163209 in Glufosinate-ammonium (GA) BAS 1000 H (TC 95) and BAS 1000 02 H (TK 50) [CBI REMOVED], DACO: 2.13.1 CBI
3385610	2021, Determination of [CBI REMOVED] in Glufosinate-ammonium BAS 1000 H (TC 95) and BAS 1000 02 H (TK 50) [CBI REMOVED], DACO: 2.13.1 CBI
3385611	2021, Validation of an analytical method for the determination of [CBI REMOVED] in Glufosinate-ammonium BAS 1000 H (TC 95) and BAS 1000 02 H (TK 50) [CBI REMOVED], DACO: 2.13.1 CBI
3385612	2021, Determination of [CBI REMOVED] in Glufosinate-ammonium BAS 1000 H (TC 95) and BAS 1000 02 H (TK 50) [CBI REMOVED], DACO: 2.13.1 CBI
3385613	2022, Analytical Method [CBI REMOVED] - Determination of [CBI REMOVED] in Glufosinate-ammonium BAS 1000 H (TC 95) and BAS 1000 02 H (TK 50) [CBI REMOVED], DACO: 2.13.1 CBI

- 3385614 2022, Validation of the Analytical Method [CBI REMOVED]
"Determination of [CBI REMOVED] in Glufosinate-ammonium BAS 1000
H (TK95) and BAS 1000 02 H (TK 50) [CBI REMOVED]", DACO: 2.13.1
- 3385615 2022, Final Report Amendment No. 1 to Final Report: Validation of the
Analytical Method [CBI REMOVED] "Determination of [CBI REMOVED]
in Glufosinate-ammonium BAS 1000 H (TC95) and BAS 1000 02 H (TK 50)
[CBI REMOVED]", DACO: 2.13.1 CBI
- 3385616 2021, Validation of an analytical method for the determination of [CBI
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02 H (TK 50) [CBI REMOVED], DACO: 2.13.1 CBI
- 3385617 2021, Determination of [CBI REMOVED] in Glufosinate-ammonium BAS
1000 H (TC 95) and BAS 1000 02 H (TK 50) [CBI REMOVED], DACO:
2.13.1 CBI
- 3385618 2021, Validation of an analytical method for determination of [CBI
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02 H (TK 50) [CBI REMOVED], DACO: 2.13.1 CBI
- 3385619 2021, Determination of [CBI REMOVED] in Glufosinate-ammonium BAS
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2.13.1 CBI
- 3385620 2021, Validation of an analytical method for determination of [CBI
REMOVED] in Glufosinate-ammonium BAS 1000 H (TC 95) and BAS 1000
02 H (TK 50) [CBI REMOVED], DACO: 2.13.1 CBI

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