

Evaluation Report for Category B, Subcategory 1.1 Application

Application Number: 2021-1556
Application: Changes TGAI Product Chemistry-New Source (site) same registrant
Product: Albaugh Bromoxynil Octanoate Technical
Registration Number: 32470
Active ingredient (a.i.): Bromoxynil
PMRA Document Number: 3374450

Purpose of Application

The purpose of this application was to register three new sources of the active ingredient bromoxynil (present as the octanoate ester).

Chemistry Assessment

Common Name: Bromoxynil
 IUPAC* Chemical Name: 2,6-dibromo-4-cyanophenyl octanoate
 CAS† Chemical Name: 2,6-dibromo-4-cyanophenyl octanoate

* International Union of Pure and Applied Chemistry

† Chemical Abstracts Service

Albaugh Bromoxynil Octanoate Technical has the following properties:

Property	Result
Colour and physical state	Signal yellow solid powder
Nominal concentration	67.2%
Odour	Odourless
Density	1.504 g/mL
Vapour pressure	0.024 mPa at 20°C and 0.056 mPa at 25°C
pH	6.8
Solubility in water	1.30 mg/L
n-Octanol/water partition coefficient	6.11

The required chemistry data for Albaugh Bromoxynil Octanoate 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 the information sufficient to amend the registration of Albaugh Bromoxynil Octanoate Technical.

References

PMRA

Document

Number	Reference
3219968	2019, [CBI Removed] Preliminary Analysis and Validation of Analytical Methods of Bromoxynil Octanoate TC, DACO: 2.13.1,2.13.2,2.13.3 CBI
3219969	2019, [CBI Removed] Analysis of five batches of Bromoxynil Octanoate technical material to include the determination of relevant manufacturing process impurities and validation, DACO: 2.13.1,2.13.2,2.13.3 CBI
3219970	2021, Product and Identity Composition, DACO: 2.11.1,2.11.2,2.11.3,2.11.4,2.12.1 CBI
3219971	2019, [CBI Removed] 5-Batch Analysis of Bromoxynil Octanoate TGAI in Accordance with International Regulatory Requirements (EU, USA, South America and Mexico), DACO: 2.13.1,2.13.2,2.13.3 CBI
3235062	2019, Confidential Attachment - [CBI Removed] Analysis of five batches of Bromoxynil Octanoate technical material to include the determination of relevant manufacturing process impurities and validation, DACO: 2.13.1,2.13.2,2.13.3 CBI
3369157	2022, Expert Statement regarding method precision of [CBI Removed], DACO: 2.13.3 CBI
3369158	2022, Manufacturing Process, DACO: 2.11 CBI

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