



Evaluation Report for Category B, Subcategory 1.1 Application

Application Number: 2018-3395
Application: New TGAI Prod Chemistry-New Source same registrant
Product: ADAMA Metribuzin Technical Herbicide II
Registration Number: 33843
Active ingredients (a.i.): Metribuzin
PMRA Document Number : 3124723

Purpose of Application

The purpose of this application was to register ADAMA Metribuzin Technical Herbicide II, as a new source of metribuzin by the same registrant.

Chemistry Assessment

Common Name: Metribuzin
IUPAC* Chemical Name: 4-amino-6-*tert*-butyl-4,5-dihydro-3-(methylthio)-1,2,4-triazin-5-one
CAS† Chemical Name: 4-amino-6-(1,1-dimethylethyl)-3-(methylthio)-1,2,4-triazin-5(4*H*)one

* International Union of Pure and Applied Chemistry

† Chemical Abstracts Service

ADAMA Metribuzin Technical Herbicide II has the following properties:

Property	Result
Colour and physical state	White crystalline solid
Nominal concentration	98.4%
Odour	Faint garlic
Density	1.1 – 1.3 g/mL
Vapour pressure	0.121 mPa
pH	8.5
Solubility in water	1.165 g/L at 20°C
n-Octanol/water partition coefficient	log K _{ow} = 1.65

The required chemistry data for ADAMA Metribuzin Technical Herbicide II have been provided,

reviewed, and found to be acceptable.

Health Assessments

ADAMA Metribuzin Technical Herbicide II is considered to be toxicologically equivalent to the precedent product. Consequently, no toxicology data were submitted or are required.

Dietary and occupational exposures were not required for this application.

Environmental and Value Assessments

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 support the registration of ADAMA Metribuzin Technical Herbicide II.

References

PMRA Document Number	References
2056834.	2004, Physical and Chemical Characteristics: Color, Physical state, Odor, Stability, pH and Bulk Density, DACO: 2.14.1,2.14.13,2.14.2,2.14.3.
2056841.	2011, Metribuzin General Information, DACO: 2.14.10,2.14.11, 2.14.12, 2.14.4,2.14.7,2.14.8.
2056835.	2003, Metribuzin Technical Vapor Pressure, DACO: 2.14.9.
2906655.	2017, Product Identity and Composition, Description of the Materials Used, Description of the Production Process, Discussion of the Formation of Impurities and Certified Limits for Metribuzin Technical, DACO: 2.11.1,2.11.2, 2.11.3, 2.11.4,2.12.1,2.2 CBI
3091293.	2020, Five Batch Analysis of Metribuzin Technical-[CBI Removed], DACO: 2.13.1,2.13.2, 2.13.3,2.13.4 CBI
3091294.	2020, Five Batch Analysis of Metribuzin Technical-[CBI Removed], DACO: 2.13.1,2.13.2, 2.13.3,2.13.4 CBI
3091295.	2020, Five Batch Analysis of Metribuzin Technical-[CBI Removed], DACO: 2.13.1,2.13.2, 2.13.3,2.13.4 CBI
3091296.	2020, Five Batch Analysis of Metribuzin Technical-[CBI Removed], DACO: 2.13.1,2.13.2, 2.13.3,2.13.4 CBI
3091297.	2020, Five Batch Analysis of Metribuzin Technical-[CBI Removed], DACO: 2.13.1,2.13.2, 2.13.3,2.13.4 CBI

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