

Evaluation Report for Category L, Subcategory 1.1 Application

Application Number: 2023-0842
Application: Application Subject to the Protection of Proprietary Interests in Pesticide Data (PIIP) Policy - Equivalency/Data Compensation Assessment
Product: Preventol BIT 85
Registration Number: 35224
Active ingredient (a.i.): 1,2-Benzisothiazolin-3-one
PMRA Document Number: 3582073

Purpose of Application

The purpose of this application was to register a new source of 1,2-benzisothiazolin-3-one, Preventol BIT 85, based on a registered precedent product.

Chemistry Assessment

Accepted Name: 1,2-benzisothiazolin-3-one
 IUPAC* Chemical Name: 1,2-Benzisothiazolin-3-one
 CAS† Chemical Name: 1,2-Benzisothiazol-3(2H)-one

* International Union of Pure and Applied Chemistry

† Chemical Abstracts Service

Preventol BIT 85 has the following properties:

Property	Result		
Colour and physical state	Off-white to white paste		
Nominal concentration	88.24%		
Odour	The requirement is waived.		
Density	1.5 g/cm ³ at 20°C		
Vapour pressure	2.3 x 10 ⁻⁴ Pa at 25°C 1.1 x 10 ⁻⁴ Pa at 20°C		
pH	3.76 (1% w/w)		
Solubility in water	pH	Temperature (°C)	Solubility (g/L)
	7	20	1.15

Property	Result		
n-Octanol/water partition coefficient	pH	Temperature (°C)	Log ₁₀ P _{ow}
	7	20	1.19

The required chemistry data for Preventol BIT 85 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 registration of Preventol BIT 85.

References

PMRA

Document

Number

Reference

3441493	2017, Benzisothiazolinone Techn. Analytical Profile of 5 batches – [Privacy Info Removed], DACO: 2.13.3,2.13.4 CBI
3441495	2009, Storage Stability and Corrosion Characteristics, DACO: 2.14.14
3441496	2008, Physical and Chemical Characteristics - pH, DACO: 2.14.15,830.7000
3441497	2006, Determination of Physico-Chemical Properties, DACO: 2.14.1,2.14.10, 2.14.11,2.14.12,2.14.13,2.14.15,2.14.2,2.14.3,2.14.4,2.14.6,2.14.7,2.14.8,2.14.9, 830.7000
3441499	2023, Preventol BIT 85 Source:[Privacy Info Removed] DACO: 2.1,2.11, 2.11.1,2.11.2, 2.11.3,2.11.4,2.12.1,2.2,2.3, 2.3.1,2.4,2.5,2.6,2.7,2.8,2.9 CBI
3441501	2019, Determination of Polychlorinated Dibenzop-dioxins (PCDDs) and Polychlorinated Dibenzofurans (PCDFs) by [CBI Removed] in 5 batches of Preventol BIT 85 [Privacy Info Removed], DACO: 2.13.1,2.13.2,2.13.3, 2.13.4 CBI
3441503	2021, Determination of selected impurities and validation for [CBI Removed] method in 5 batches of Preventol BIT 85 [Privacy Info Removed], DACO: 2.13.1, 2.13.2,2.13.3,2.13.4 CBI
3441505	2019, Validation of a [CBI Removed] method for the determination of Polychlorinated Dibenzop-dioxins (PCDDs) and Polychlorinated Dibenzofurans (PCDFs) in Preventol BIT 85, DACO: 2.13.1
3495361	2023, Limits of Detection for [CBI Removed], DACO: 2.13.4 CBI
3495363	2023, Chromatograms [CBI Removed], DACO: 2.13.4 CBI
3573558	2024, Response to Notice of Deficiencies for Preventol BIT 85, [CBI Removed], DACO: 2.13.2 CBI

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