

Evaluation Report for Category L, Subcategory 1.1 Application

Application Number: 2022-0469
Application: Submissions Subject to Protection of Proprietary Interests in Pesticide Data Policy/ Data Compensation Assessment
Product: Bentazon Technical
Registration Number: 34812
Active ingredient (a.i.): Bentazon
PMRA Document Number : 3429175

Purpose of Application

The purpose of this application was to register a new source of bentazon, Bentazon Technical, based on a precedent.

Chemistry Assessment

Common Name: Bentazon
 IUPAC* Chemical Name: 3-isopropyl-1*H*-2,1,3-benzothiadiazin-4(3*H*)-one 2,2-dioxide
 CAS† Chemical Name: 3-(1-methylethyl)-1*H*-2,1,3-benzothiadiazin-4(3*H*)-one 2,2-dioxide

* International Union of Pure and Applied Chemistry

† Chemical Abstracts Service

Bentazon Technical has the following properties:

Property	Result
Colour and physical state	Oyster White Solid
Nominal concentration	98.3%
Odour	Odourless
Density	1.35 – 1.45 g/mL
Vapour pressure	1.79×10 ⁻⁸ Pa (at 20°C) 5.44 ×10 ⁻⁸ Pa (at 25°C)
pH	2 - 4
Solubility in water	532.0 mg/L (at 20°C)

Property	Result
n-Octanol/water partition coefficient	Log K _{ow} = 0.45

The required chemistry data for Bentazon 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 provide and has found it acceptable to support the registration of Bentazon Technical.

References

PMRA Document Number	References
3316667	2022, Five Batches Analysis of [CBI Removed] in Bentazone Technical (Confidential Attachment) [CBI removed], DACO: 2.13.1,2.13.2,2.13.3 CBI
3316680	2021, Manufacturing Process of Bentazone Technical Grade Active Substance [CBI removed], DACO: 2.11,2.11.1,2.11.2,2.11.3,2.11.4 CBI
3316681	2015, Preliminary Analysis and 5-batch study of Bentazone TGAI [CBI removed], DACO: 2.13,2.13.1,2.13.2,2.13.3,2.13.4
3316682	2015, Preliminary Analysis and 5-batch study of Bentazone TGAI - Confidential Attachment [CBI removed], DACO: 2.13,2.13.1,2.13.2,2.13.3,2.13.4 CBI
3316684	2015, Physical and Chemical Characterization of Bentazone TGAI [CBI removed], 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
3316688	2021, Discussion of the formation of impurities [CBI removed]), DACO: 2.11.4 CBI
3316689	2015, Five Batches Analysis of Bentazone TC [CBI Removed], DACO: 2.13,2.13.1,2.13.2,2.13.3 CBI
3316690	2020, Five-Batch Analysis of Bentaxone TC:[CBI removed] Content, DACO: 2.13.1,2.13.2,2.13.3,2.13.4 CBI
3316691	2022, Five Batches Analysis of [CBI removed] in Bentazone Technical [CBI removed], DACO: 2.13.1,2.13.2,2.13.3
3316692	2018, Five Batches Analysis of Bentazone Technical [CBI removed], DACO: 2.13.1,2.13.2,2.13.3 CBI
3316693	2022, Manufacturing process and impurities formation description [CBI removed], DACO: 2.11.1,2.11.2,2.11.3,2.11.4 CBI
3316694	2022, Manufacturing Process of Bentazone Technical[CBI removed], DACO: 2.11.1,2.11.2,2.11.3 CBI
3316705	2022, Preliminary Analysis and Enforcement Analytical Methods of Bentazone TC (Confidential Attachment) [CBI removed], DACO: 2.13.1,2.13.2,2.13.3 CBI
3316706	2022, Preliminary Analysis and Enforcement Analytical Methods of Bentazone TC [CBI removed]), DACO: 2.13.1,2.13.2,2.13.3

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