



Evaluation Report for Category L, Subcategory 1.1 Application

Application Number: 2020-0101
Application: Submissions subject to Protection of Proprietary Interests in Pesticide Data policy-Equivalency/Data Compensation Assessment
Product: Nufarm Bentazon Technical
Registration Number: #####
Active ingredient (a.i.): Bentazon
PMRA Document Number: 3172297

Purpose of Application

The purpose of this application was to register Nufarm Bentazon Technical, a new source of the active ingredient Bentazon.

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

Nufarm Bentazon Technical has the following properties:

Property	Result
Colour and physical state	Oyster White Solid
Nominal concentration	98.6%
Odour	Odourless
Relative Density	1.412 g/mL
Vapour pressure	1.79×10 ⁻⁸ Pa (at 20°C) 5.44 ×10 ⁻⁸ Pa (at 25°C)
pH	2.60 at 25±2°C
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 Nufarm 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 provided and has found it sufficient to support the registration of Nufarm Bentazon Technical.

References

PMRA Document Number	References
3076045	2018, Manufacturing Process of Bentazone Technical Grade Active Substance, DACO: 2.11.1,2.11.2,2.11.3,2.11.4,2.2,2.4,2.5,2.6,2.7,2.8 CBI
3076046	2015, Preliminary Analysis and 5-batch study of Bentazone TGAI, DACO: 2.13.1,2.13.2,2.13.3,2.13.4 CBI
3076047	2015, Preliminary Analysis and 5-batch study of Bentazone TGAI - Confidential Attachment, DACO: 2.13.1,2.13.2,2.13.3,2.13.4 CBI
3076049	2015, Physical and Chemical Characterization of Bentazon TGAI, DACO: 2.14.1,2.14.10,2.14.11,2.14.12,2.14.13,2.14.14,2.14.15,2.14.2,2.14.3,2.14.4,2.14.5,2.14.6,2.14.7,2.14.8,2.14.9

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