

Evaluation Report for Category L, Subcategory 1.1 Application

Application Number: 2020-4684
Application: Submission subject to the *Protection of Proprietary Interests in Pesticide Data* (PPIP) policy-Equivalency/Data Compensation Assessment
Product: Zhongshan Bentazone Technical
Registration Number: 34295
Active ingredient (a.i.): Bentazone
PMRA Document Number: 3243202

Purpose of application

The purpose of this application was to register a new source of bentazone, Zhongshan Bentazone Technical, based on a registered precedent product.

Chemistry assessment

Common Name: Bentazone
 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

Zhongshan Bentazone Technical has the following properties:

Property	Result
Colour and physical state	Oyster white solid
Nominal concentration	98.6 %
Odour	Odourless
Density	1.412 g/mL at 20 °C
Vapour pressure	1.79 E-8 Pa (20 °C)
pH	2.60 at 25 °C
Solubility in water	532.0 mg/L
n-Octanol/water partition coefficient	Log Kow = 0.45

The required chemistry data for Zhongshan Bentazone Technical have been provided, reviewed, and found to be acceptable.

Value, health and environmental assessments

Value, health and environmental assessments were not required for this submission.

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 Zhongshan Bentazone Technical.

References

PMRA Document Number	Reference
3159502	2018, Manufacturing Process of Bentazone Technical Grade Active Substance, DACO: 2.11 CBI
3159504	2015, Preliminary Analysis and 5-batch study of Bentazone TGAI, DACO: 2.13 CBI
3159505	2015, Preliminary Analysis and 5-batch study of Bentazone TGAI, DACO: 2.13 CBI
3159506	2015, GLP Study Final Report Amendment, DACO: 2.13 CBI
3159507	2015, Physical and Chemical Characterization of Bentazone TGAI, DACO: 2.14,2.14.1,2.14.10,2.14.11,2.14.12,2.14.13,2.14.14,2.14.15,2.14.2,2.14.3,2.14.4,2.14.6,2.14.7,2.14.8,2.14.9,830.7000 CBI
3159508	2018, GLP Study Final Report Amendment, DACO: 2.14 CBI
3159509	2018, GLP Study Final Report Amendment, DACO: 2.14 CBI

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