

Evaluation Report for Category B, Subcategory 1.2 Application

Application Number: 2017-1732
Application: B.1.2: New Source by New Registrant
Product: Zhongshan Boscalid Technical 98%
Registration Number: 33115
Active ingredients (a.i.): Boscalid
PMRA Document Number : 2869612

Purpose of Application

The purpose of this application was to register a new source of Boscalid by a new registrant.

Chemistry Assessment

Common Name: Boscalid
IUPAC* Chemical Name: 2-chloro-*N*-(4'-chlorobiphenyl-2-yl)nicotinamide
CAS† Chemical Name: 2-chloro-*N*-(4'-chloro[1,1'-biphenyl]-2-yl)-3-pyridinecarboxamide

* International Union of Pure and Applied Chemistry

† Chemical Abstracts Service

Zhongshan Boscalid Technical 98% has the following properties:

Property	Result
Colour and physical state	White solid
Nominal concentration	98.8%
Odour	No characteristic odour
Density	1.401 – 1.414 g/mL
Vapour pressure	2.7×10^{-9} Pa (at 20°C)
pH	5.5
Solubility in water	3.4 mg/L (20°C, pH 6.4)
n-Octanol/water partition coefficient	Log K_{ow} = 3.3 at 21°C and pH 6.4

The required chemistry data for Zhongshan Boscalid Technical 98% have been provided, reviewed, and found to be acceptable.

Health Assessments

The product was considered to be toxicologically equivalent to the precedent product.

Environmental and Value Assessments

Environmental and value assessments were not required for this application.

Conclusion

The PMRA has reviewed information provided in support of the new source of Boscalid. Based on the results of this review, the new source of Boscalid is acceptable.

References

- 2748514 2017, Applicant info and Chemical data, DACO: 2.1,2.2,2.3,2.3.1,2.4,2.5,2.6, 2.7,2.8,2.9
- 2748515 2017, Manufacturing process and MSDS, DACO: 2.11 CBI
- 2748516 2016, Five Batches Analysis, DACO: 2.13.1,2.13.2,2.13.3,2.13.4,2.9 CBI
- 2748517 2016, Chemical and Physical Properties, DACO: 2.14 CBI
- 2809019 2017, Impurities test, DACO: 2.13.4 CBI

ISSN: 1911-8082

© Her Majesty the Queen in Right of Canada, represented by the Minister of Public Works and Government Services Canada 2018

All rights reserved. No part of this information (publication or product) may be reproduced or transmitted in any form or by any means, electronic, mechanical photocopying, recording or otherwise, or stored in a retrieval system, without prior written permission of the Minister of Public Works and Government Services Canada, Ottawa, Ontario K1A 0S5.