

Evaluation Report for Category L, Subcategory 1.1 Application

Application Number: 2020-3204
Application: Submissions Subject to Protection of Proprietary Interests in Pesticide Data Policy - Equivalency/ Data Compensation Assessment
Product: Boscalid Agrogill Technical Grade Active Ingredient
Registration Number: 34414
Active ingredient (a.i.): Boscalid
PMRA Document Number : 3297659

Purpose of Application

The purpose of this application was to register Boscalid Agrogill Technical Grade Active Ingredient, based on a precedent.

Chemistry Assessment

Common Name: Boscalid
IUPAC* Chemical Name: 2-chloro-*N*-(4'-chlorobiphenyl-2-yl)pyridine-3-carboxamide
French IUPAC Name: 2-Chloro-*N*-(4'-chlorobiphényl-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

Boscalid Agrogill Technical Grade Active Ingredient has the following properties:

Property	Result
Colour and physical state	Off-white solid
Nominal concentration	99.0%
Odour	Odourless
Density	1.3757 g/mL
Vapour pressure	7.08×10^{-4} mPa
pH	6.6
Solubility in water	4.8736 mg/L (pH 7.02)
n-Octanol/water partition coefficient	$\log K_{ow} = 3.04$

The required chemistry data for Boscalid Agrogill Technical Grade Active Ingredient were 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 Boscalid Agrogill Technical Grade Active Ingredient.

References

PMRA Document Number	References
3141102	2018, Detailed manufacturing process Boscalid technical & justification of impurities, DACO: 2.11.1,2.11.2,2.11.3,2.11.4 CBI
3141103	2020, DACO 2.12.1 Establishing Certified Limits- BOSCALID, DACO: 2.12.1 CBI
3141104	2011, Validation of analytical method for determination of Boscalid active ingredient, DACO: 2.13.1,2.13.2 CBI
3141105	2011, Preliminary analyses of five representative production batches of Boscalid technical grade active ingredient (TGAI) to determine % Boscalid and to Quantify its associated impurities, DACO: 2.13.3 CBI
3141106	2013, Appearance (Colour, Physical state and odour) of Boscalid, DACO: 2.14.1,2.14.2,2.14.3 CBI
3141107	2013, Melting Point/melting range of Boscalid, DACO: 2.14.4 CBI
3141108	2013, Specific Gravity of Boscalid, DACO: 2.14.6 CBI
3141109	2013, Water solubility of Boscalid, DACO: 2.14.7 CBI
3141110	2013, Solubility of Boscalid in Organic solvents, DACO: 2.14.8 CBI
3141111	2013, Vapour pressure of Boscalid, DACO: 2.14.9 CBI
3141112	2013, Dissociation constant of Boscalid, DACO: 2.14.10 CBI
3141113	2013, Partition coefficient (n-octanol/water) of Boscalid, DACO: 2.14.11 CBI
3141114	2013, Validation of analytical method for active ingredient analysis of Boscalid, DACO: 2.14.12 CBI
3141115	2013, Accelerated storage stability and corrosion characteristics of Boscalid, DACO: 2.14.13 CBI
3141116	2014, One year storage stability and corrosion characteristics study of Boscalid, DACO: 2.14.14 CBI
3141117	2020, pH of Boscalid, DACO: 2.14.15 CBI
3249115	2021, DACO 2.11.3 Clarifications regarding the detailed manufacturing process, DACO: 2.11.3 CBI
3249116	2021, DACO 2.13.3 Clarification regarding the batch data, DACO: 2.13.3 CBI
3249117	2021, L2592720_COA, DACO: 2.13.4 CBI

3285977 2021, 21105 Boscalid tech Five batch Rep Final sent on 30.10.2021, DACO:
2.13.4 CBI

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