

Evaluation Report for Category B, Subcategory 1.1 Application

Application Number: 2016-4893
Application: Changes to TGAI Product Chemistry – New Source (site) Same Registrant
Product: Fungitrol 400S Fungicide Technical
Registration Number: 28583
Active ingredient (a.i.): 3-Iodo-2-Propynyl Butyl Carbamate
PMRA Document Number : 2850446

Purpose of Application

The purpose of this application was to add a manufacturing site to Fungitrol 400S Fungicide Technical

Chemistry Assessment

Accepted Name: 3-Iodo-2-propynyl butyl carbamate
 IUPAC* Chemical Name: 3-Iodoprop-2-ynyl butylcarbamate
 CAS† Chemical Name: 3-Iodo-2-propyn-1-yl *N*-butylcarbamate

* International Union of Pure and Applied Chemistry

† Chemical Abstracts Service

Fungitrol 400S Fungicide Technical has the following properties:

Property	Result
Colour and physical state	Off-white solid
Nominal concentration	99.5%
Odour	Pungent, garlic-like odour
Bulk density	0.623-0.789 g/mL
Vapour pressure at 20°C	3.1658×10^{-5} Pa
pH	6.14
Solubility in water	152.47 mg/L
n-Octanol/water partition coefficient	Log K_{ow} = 2.50

The required chemistry data for Fungitrol 400S Fungicide 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 determined that the addition of a manufacturing site to Fungitrol 400S Fungicide Technical can be supported.

References

PMRA Document Number	References
2671320	2016, Polyphse P100: Preliminary Analysis, DACO: 2.13.3 CBI
2671321	2016, Polyphase P100: Physical and Chemical Characteristics: Color, Physical State, Odor, Stability to Normal or Elevated Temperature -Metals and Metal Ions, pH, UV/Visible Absorption, Melting Point,Density/Bulk Density, Dissociation Constant, Partition Coefficient and Water Solubility, DACO: 2.14
2704439	2016, Applicants Name and Office Address, DACO: 2.1
2704440	2016, Product Trade Name, DACO: 2.3
2704441	2016, Manufacturing Summary Fungitrol 400S, DACO: 2.11.1 CBI
2704442	2016, DACO 2.11.2-Description of Starting Materials., DACO: 2.11.2 CBI
2704443	2016, DACO 2.11.3- Detailed Process Description, DACO: 2.11.3 CBI
2704444	2016, DACO 2.11.4 Discussion of the Formation of Impurities, DACO: 2.11.4 CBI
2704445	2016, DACO 2.12.1 Establishing Certified Limits, DACO: 2.12.1 CBI
2704446	2016, Polyphase P100: Preliminary Analysis, DACO: 2.13.1 CBI
2704448	2016, Polyphase P100: Physical and Chemical Characteristic: Color, Physical State, Odor, Stability to Normal and Elevated Temperatures- Metals and Metal Ions, pH, UV-Vis Absorption,Melting Point , Density/Bulk Density, Dissociation Constant, Partition Coefficient, Water Solubility, DACO: 2.14.1
2795110	2017, Polyphase P100 Physical and Chemical Characteristics: Solvent Solubility, DACO: 2.14.8
2795111	2017, PolyphaseP100: Storage Stability and Corrosion Characteristics, DACO: 2.14.14
2815270	2017, Polyphase P100: Physical and Chemical Characteristics: Color, Physical State, Odor, Stability to Normal and Elevated Temperature-Metals and Metal Ions, pH, UV/Visible Absorption, Melting Point, Density/Bulk Density, Dissociation Constant, Partition Coefficient and Water Solubility, DACO: 2.14.7
2815271	2017, Vapor Pressure Determination Polyiphase P100, DACO: 2.14.9

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