

Evaluation Report for Category B, Subcategory 1.2 Application

Application Number: 2011-1916
Application: New Source of Technical Grade Active Ingredient by a New Registrant
Product: Fortuna Mancozeb Technical Fungicide
Registration Number: 31266
Active ingredients (a.i.): mancozeb
PMRA Document Number : 2389572

Background

The source of mancozeb used to determine chemical equivalency was Registration Number 25166.

Purpose of Application

The purpose of this application was to register a new source of the technical grade active ingredient, mancozeb, by a different Registrant.

Chemistry Assessment

Common Name: mancozeb
IUPAC Chemical Name: manganese ethylenebis(dithiocarbamate) (polymeric) complex with zinc salt
CAS Chemical Name: [[2-[(dithiocarboxy)amino]ethyl]carbamodithioato(2-)-κS,κS']manganese mixture with [[2-[(dithiocarboxy)amino]ethyl]carbamodithioato(2-)-κS,κS']zinc

Fortuna Mancozeb Technical Fungicide has the following properties:

Property	Result
Colour and physical state	Pale yellowish solid
Nominal concentration	Mancozeb at 92.3%
Odour	Slight sulphurous odour
Density at 20°C	1.92-1.93 g/cm ³
Vapour pressure at 25°C	1.3 × 10 ⁻² mPa

Property	Result
pH	7.1 (1% aqueous suspension)
Solubility in water	6.2 ppm at pH 7.5
n-Octanol/water partition coefficient	Log K _{ow} = 1.33

The chemistry requirements for Fortuna Mancozeb Technical Fungicide have been completed.

Health and Environmental Assessments

As the new source of mancozeb is chemically equivalent to the registered source, the health and environmental risk profiles are expected to be similar to that of the product used to determine chemical equivalence. No additional assessments were required.

Value Assessment

A value assessment is not required for technical grade active ingredient products.

Conclusion

The PMRA has completed an evaluation of the subject application and has determined that it can support the registration of Fortuna Mancozeb Technical Fungicide.

References

PMRA No.	Title
2048588	2011, Product Identity and Specification, Fortuna Mancozeb Technical Fungicide, DACO: 2.1,2.11,2.11.1,2.11.2,2.11.3,2.2,2.3,2.4,2.5,2.6,2.7,2.8 CBI
2048589	2006, Mancozeb Technical, Product Identity and Composition: Preliminary Analysis of 5 Batches and Analytical Methods Validation for Mancozeb and Impurities, DACO: 2.13,2.13.1,2.13.2,2.13.3,2.13.4 CBI
2048590	D. OShaughnessy, 2011, Chemical and Physical Properties of Fortuna Mancozeb Technical Fungicide, DACO: 2.14
2100946	2006, Mancozeb Technical, Product Identity and Composition, Preliminary Analysis of 5 batches and Analytical Methods Validation for Mancozeb and Impurities, DACO: 2.13 CBI
2100947	2006, Thermal and Air Stability of Mancozeb Technical, DACO: 2.14,2.14.1,2.14.2,2.14.3,2.14.6
2110106	2010, Physicochemical Properties of Mancozeb technical, DACO: 2.14.1,2.14.2,2.14.3,2.14.4,2.14.6

ISSN: 1911-8082

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