



Evaluation Report for Category B, Subcategory 1.2 Application

Application Number: 2012-2409
Application: New Source of Technical Grade Active Ingredient by a New Registrant
Product: Cheminova Mancozeb Technical Fungicide
Registration Number: 31280
Active ingredients (a.i.): Mancozeb
PMRA Document Number : 2391228

Background

The source of mancozeb used to determine chemical equivalency was Registration Number 20734.

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-)- $\kappa S, \kappa S'$]manganese mixture with [[2-[(dithiocarboxy)amino]ethyl]carbamodithioato(2-)- $\kappa S, \kappa S'$]zinc

Cheminova Mancozeb Technical Fungicide has the following properties:

Property	Result
Colour and physical state	Greyish yellow powder
Nominal concentration	87.2 %
Odour	Musty odour
Density at 20°C	0.724 g/mL
Vapour pressure	N/A

Property	Result
pH	7.2 – 7.3 (1% suspension)
Water solubility at 20°C	12 mg/L at 25°C
n-Octanol/water partition coefficient (K_{ow})	Log K_{ow} = 0.26

The chemistry requirements for Cheminova 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 Cheminova Mancozeb Technical Fungicide.

References

PMRA No.	Title
2205065	Discussion of Impurities, DACO: 2.11.4 CBI
2205066	Analysis, DACO: 2.13,2.13.1,2.13.2,2.13.3 CBI
2205068	Appearance, DACO: 2.14.1,2.14.2,2.14.3 CBI
2205069	Melting Point, DACO: 2.14.4 CBI
2205070	Density, DACO: 2.14.6 CBI
2205071	Water Solubility, DACO: 2.14.7 CBI
2205072	Water Solubility, DACO: 2.14.7 CBI
2205073	Solubility - solvents, DACO: 2.14.8 CBI
2205074	Stability, DACO: 2.14.13,2.14.14 CBI
2205075	Flammability, DACO: 2.16 CBI

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