

Evaluation Report for Category B, Subcategory 1.1 & 1.3 Application

Application Number: 2011-1824
Application: New/Changes TGAI Prod Chemistry – New Source (site, same registrant) and Specifications
Product: Penncozeb Technical Fungicide
Registration Number: 25166
Active ingredients (a.i.): Mancozeb (MCZ)
PMRA Document Number: 2257798

Purpose of Application

The purpose of the application was to add a new source and amend the specification of the technical active ingredient for Penncozeb Technical Fungicide.

Chemistry Assessment

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

Penncozeb Technical Fungicide has the following properties:

Property	Result
Colour and physical state	Greenish-yellow
Nominal concentration	87 %
Odour	Faint, non-characteristic odour
Density	0.44 kg/L
Vapour pressure	N/A
pH	7-9 (1% suspension)
Solubility in water	0.67 mg/L
n-Octanol/water partition coefficient	LogK _{ow} = 0.26

The chemistry requirements for Penncozeb Technical Fungicide have been completed.

Health Assessments

The product from the new site is considered to be chemically equivalent to the original site. Subsequently, no toxicological data were submitted or required.

The registration of a new source and the amendment of the specifications of Penncozeb Technical Fungicide is not expected to alter the residues in crops treated with mancozeb. Therefore, the dietary exposure to mancozeb is not expected to increase and will not pose an unacceptable risk to any segment of the population, including infants, children, adults and seniors.

Environmental and Value Assessment

Environmental and value assessments are not required for this application.

Conclusion

The PMRA has conducted a review of the available information and has determined that the addition of the new source and the amendment of the specification for the technical active ingredient for the Penncozeb Technical Fungicide is acceptable.

References

Studies/Information Provided by Applicant/Registrant

PMRA No.	Title
1559691	1995, Mancozeb Technical Product Chemistry Data, DACO: 2.1,2.10,2.11.1,2.11.2,2.11.3,2.11.4,2.12.1,2.12.2,2.13.1,2.13.2,2.13.3,2.13.4,2.14.1,2.14.10,2.14.11,2.14.12,2.14.13,2.14.14,2.14.2,2.14.3,2.14.4,2.14.5,2.14.6,2.14.7,2.14.8,2.14.9, CBI.
2046269	1995, Mancozeb Technical Product Chemistry Data, DACO: 2.1,2.10,2.11.1,2.11.2,2.11.3,2.11.4,2.12.1,2.12.2,2.13.1,2.13.2,2.13.3,2.13.4,2.14.1,2.14.10,2.14.11,2.14.12,2.14.13,2.14.14,2.14.2,2.14.3,2.14.4,2.14.5,2.14.6,2.14.7,2.14.8,2.14.9, CBI.
2046270	1995, Mancozeb Technical Product Chemistry Data, DACO: 2.1,2.10,2.11.1,2.11.2,2.11.3,2.11.4,2.12.1,2.12.2,2.13.1,2.13.2,2.13.3,2.13.4,2.14.1,2.14.10,2.14.11,2.14.12,2.14.13,2.14.14,2.14.2,2.14.3,2.14.4,2.14.5,2.14.6,2.14.7,2.14.8,2.14.9, CBI.
2046271	2009, Mancozeb Technical, preliminary analysis of 5 representative batches ex United Phosphorus Ltd, DACO: 2.13.1,2.13.2,2.13.3,2.13.4, CBI.
2046273	2009, Mancozeb Technical, preliminary analysis of 5 representative batches ex United Phosphorus Ltd, DACO: 2.13.1,2.13.2,2.13.3,2.13.4, CBI.
2046283	2011, Applicant Name and Formulating Plant Address for Penncozeb Technical Fungicide, DACO: 2.1,2.2, CBI.
2122085	2001, Validation of SOP DLA-026.6 [CBI Removed], DACO: 2.13.1, CBI.
2122087	2009, Amendment to the Final Report DL 99-030; Validation of SOP DLA-026.6 [CBI Removed], DACO: 2.13.1, CBI.
2122088	1996, Validation in [CBI Removed] of the analytical method DLA-010.4 [CBI Removed]", DACO: 2.13.1, CBI.
2122089	1998, Validation in [CBI Removed] of the analytical method DLA-010.4 [CBI Removed], DACO: 2.13.1, CBI.
2144010	2011, Mancozeb Technical Manufacturing Process at United Phosphorus Limited [Privacy Removed], DACO: 2.11.1,2.11.2,2.11.3,2.11.4, CBI.

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