

Evaluation Report for Category B, Subcategory 1.1, 1.3, 3.13 Application

Application Number: 2009-1155
Application: Changes to TGAI product chemistry – new source same registrant, specifications; and
 Changes to product label – precautions
Product: Cymoxanil Technical Fungicide
Registration Number: 26285
Active ingredients (a.i.): Cymoxanil (CYO)
PMRA Document Number: 1856161

Purpose of Application

The purpose of this application was to add a new source of the active, to amend the nominal guarantee and to upgrade the label precautionary wording and symbol for Cymoxanil Technical Fungicide (Reg. No. 26285).

Chemistry Assessment

Common Name: Cymoxanil
Chemical Name: 1-(2-cyano-2-methoxyiminoacetyl)-3-ethylurea

Cymoxanil Technical Fungicide has the following properties:

Property	Result
Colour and physical state	Peach coloured solid (crystals)
Nominal concentration	98.7%
Odour	Odourless
Density	0.39 g/cm ³ (bulk density)
Vapour pressure	0.15 mPa (at 20° C)
pH	5.8 (in solution)
Solubility in water	890 mg/L (20° C)
n-Octanol/water partition coefficient	Log K _{ow} = 0.59 (pH 5) Log K _{ow} = 0.67 (pH 7)

The chemistry requirements for Cymoxanil Technical Fungicide have been completed.

Health Assessments

Cymoxanil Technical Fungicide is of high acute toxicity by the oral route (LD_{50} standard test-401 < 250 mg/kg; LD_{50} Up and Down-425 = 310.2 mg/kg), but of low toxicity by the dermal (LD_{50} > 5000 mg/kg) and inhalation (LC_{50} > 4.1 mg/L) routes in rats. It is minimally irritating to the eye and skin of rabbits and it is not a dermal sensitizer in mice.

No new residue data were submitted in support of the present application. The food residue profile of the new source of cymoxanil technical is expected to be similar to that of the original registered Cymoxanil Technical Fungicide. No impact on the magnitude of residues is expected. Consequently, no increase in dietary exposure is anticipated.

Environmental Assessment

The amendment of the current source and guarantee of Cymoxanil Technical Fungicide does not result in increased environmental exposure relative to the existing registered sources. Therefore, negligible environmental risk is expected.

Value Assessment

A value assessment was not required for this application.

Conclusion

The PMRA has completed an evaluation of the subject application and has found the information sufficient to support the addition of the new source of the active, amendment of the nominal guarantee and the upgrading of the label precautionary wording and symbol for Cymoxanil Technical Fungicide (Reg. No. 26285).

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