

Evaluation Report for Category B, Subcategory 2.1 Application

Application Number: 2006-6468
Application: B.2.1 – New Product Chemistry - Guarantee
Product: Echo 720 Agricultural Fungicide
Registration Number: 29355
Active ingredients (a.i.): Chlorothalonil
PMRA Document Number: 2281617

Purpose of Application

The purpose of this application was to register the end-use product Echo 720 Agricultural Fungicide.

Chemistry Assessment

Echo 720 Agricultural Fungicide is formulated as a solution containing chlorothalonil at a nominal concentration of 720 g/L. This end-use product has a density of 1.333 g/cm³ and pH of 5- 7. The chemistry requirements for Echo 720 Agricultural Fungicide are complete.

Health Assessments

Echo 720 Agricultural Fungicide was found to be of low acute toxicity by the oral and dermal routes, but of moderate toxicity by the inhalation route in rats. It was minimally irritating to rabbit eyes and non-irritating to rabbit skin. This product produced an equivocal result in a dermal sensitization study in guinea pigs.

The data submitted to support the registration of Echo 720 Agricultural Fungicide were used in conjunction with previously reviewed data for end-use products containing chlorothalonil, and no additional data were required to be reviewed. Only those uses for which supporting data were available were considered for registration. The crops supported for Echo 720 Agricultural Fungicide fit within the existing use pattern of the active ingredient, chlorothalonil. No unacceptable risk is expected when workers follow the label directions and wear the personal protective equipment identified on the labels.

To support the registration of Echo 720 Agricultural Fungicide, previously reviewed residue data were reassessed. Following a comparison of the new end-use product to the precedent product, there is no indication that the use of Echo 720 Agricultural Fungicide will have an impact on the magnitude of the residues of chlorothalonil in/on treated crops when used according to the label as the use directions are identical. Therefore, no increase in dietary exposure is anticipated.

Environmental Assessment

As the use pattern on the Echo 720 Agricultural Fungicide label is within the current use pattern for chlorothalonil, there is no increase in environmental exposure. Appropriate hazard label statements sufficient to mitigate any adverse effects have been incorporated into the label.

Value Assessment

For the purpose of evaluating the value of Echo 720 Agricultural Fungicide, comparisons of the product labels were made between Echo 720 and its precedent product. The amount of active ingredient differed, but a comparison of the labels showed that the rates were adjusted on the Echo 720 label to reflect as closely as possible the rates registered on the label of the precedent product. No bridging data need to be reviewed. All proposed uses are supported with minor adjustments to some rates to coordinate with the precedent label.

Conclusion

The PMRA has reviewed the information provided in support of this product and has determined the product to be acceptable for registration.

References

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