

Evaluation Report for Category B, Subcategory 2.1, 2.3, 2.4 and 3.1 Application

Application Number: 2009-5161

Application: New/Changes EP Product Chemistry-Guarantee, Identity and

Proportion of Formulants, New/Changes to Product Labels-

Application Rate Increase

Product: PC Herbicide RTU Plus

Registration Number: 30536

Active ingredients (a.i.): 2,4-D, mecoprop-P and dicamba

PMRA Document Number: 2180600

Purpose of Application

The purpose of this application was to register a new domestic class end-use product, PC Herbicide RTU Plus for use as spot treatments to control broadleaf weeds on turf. PC Herbicide RTU Plus contains the active ingredients 2,4-D (as amine salts), mecoprop-P and dicamba.

Chemistry Assessment

PC Herbicide RTU Plus is formulated as an emulsifiable concentrate containing 2,4-D (present as dimethylamine salt) at a nominal concentration of 0.47 g a.e./L, Mecoprop-P (present as dimethylamine salt) at a nominal concentration of 0.30 g a.e./L and Dicamba (present as dimethylamine salt) at a nominal concentration of 0.058 g a.e./L. This end-use product has a density of 0.998 g/cm³ and pH of 5.75. The chemistry requirements for PC Herbicide RTU Plus are complete.

Health Assessments

PC Herbicide RTU Plus is of low acute toxicity by the oral, dermal, and inhalation routes in rats. It is essentially non-irritating to the rabbit eye and skin. The formulation is not a skin sensitizer in guinea pigs.

The use of PC Herbicide RTU Plus on turf fits within the registered use of 2,4-D, dicamba and mecoprop-P. The new use of these products should not result in risks of concern to workers, homeowner applicators or bystanders. No unacceptable risk is expected when users follow the label directions as presented on the label.

Environmental Assessment

As the intended use is domestic and the method of application is spot treatment, there is a negligible environmental concern associated with this product. The precautionary statements presented on the label are acceptable from an environmental perspective.



Value Assessment

The efficacy of PC Herbicide RTU Plus applied to turf for control of common dandelion, white clover, broadleaf plantain, narrow-leaf plantain, black medick, chickweed, and bulbous buttercup was assessed. The submitted data support the claim of control of white clover, broadleaf plantain, narrow-leaf plantain, black medick and suppression of common dandelion.

Injury to several turf species or varieties treated with PC Herbicide RTU Plus was usually low or absent. However, based on injury observed in two of 11 trials, a statement regarding possible crop injury was added to the label.

Conclusion

The PMRA has conducted a review of the available information and can support a full registration of the end-use product, PC Herbicide RTU Plus.

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