



Evaluation Report for Category B, Subcategory 2.2 Application

Application Number: 2020-2137
Application: Changes EP Product Chemistry - Form of Technical Grade Active Ingredient or Integrated Systems Product
Product: 2,4-D ESTER 700
Registration Number: 29979
Active ingredient (a.i.): 2,4-D (present as low volatile esters)
PMRA Document Number: 3295264

Purpose of Application

The purpose of this application was to add two alternate formulations for the registered end-use product 2,4-D ESTER 700.

Chemistry Assessment

2,4-D ESTER 700 is formulated as an emulsifiable concentrate containing 2,4-D (present as 2-ethylhexyl ester) at a concentration of 660 g/L. This end-use product has a density of 1.118 g/mL and pH of 3.57. The chemistry requirements for this product have been fulfilled.

Health Assessments

After evaluation of the submitted data, the formulations were considered toxicologically equivalent to the registered formulations. 2,4-D ESTER 700 is of high acute toxicity via the oral route and of low toxicity via the dermal and inhalation routes. It is minimally irritating to the eye and moderately irritating to the skin, and is a dermal sensitizer.

Environmental Assessment

No additional risk to the environment is expected from the registration of the alternate formulations.

Value Assessment

The formulation differences are unlikely to result in any significant impact on product performance, in terms of both efficacy and crop tolerance.

Conclusion

The Pest Management Regulatory Agency has completed an assessment of the information provided, and has found the information sufficient to add two alternate formulations for 2,4-D ESTER 700.

References

PMRA Document Number	Reference
3126344	2020, 2,4-D Ester 700: Product Identification, Formulation Process, Specifications, and Product Analysis PCP # 29979, DACO: 3.1.1, 3.1.2, 3.1.3, 3.1.4, 3.2.1, 3.2.2, 3.2.3, 3.4.1, 3.4.2 CBI
3211273	2021, 2,4-D Ester 700: Primary Eye Irritation in Rabbits, DACO: 4.6.4

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