



Evaluation Report for Category L, Subcategory 1.2 Application

Application Number: 2017-2618
Application: L.1.2: Subject to PPIP policy - Equivalency/Data Compensation Assessment
Product: Secure
Registration Number: 33617
Active ingredients (a.i.): Quizalofop-P-Ethyl
PMRA Document Number : 2950958

Purpose of Application

The purpose of this application was to register a new herbicide end-use product containing quizalofop-P-ethyl for use on terrestrial food/feed crops and industrial oil seed and fibre crops, based on precedent product.

Chemistry Assessment

Secure is formulated as an emulsifiable concentrate containing quizalofop-P-ethyl at a concentration of 96 g/L. This end-use product has a density of 0.96 g/mL and pH of 5.5–6.5. The required chemistry data for Secure have been provided, reviewed and found to be acceptable.

Health Assessments

Secure is moderately acutely toxic by the oral route in rats. It is of low acute toxicity by the dermal and inhalation routes in rats. The formulation is severely irritating to the rabbit eye and minimally irritating to the rabbit skin. It is a potential skin sensitizer in guineapigs.

The use of the end-use product Secure on various industrial oil seed crops and fibre crops, and terrestrial food and feed crops is not expected to result in potential occupational or bystander exposure over the registered use of quizalofop-p-ethyl. No health risks of concern are expected when workers follow label directions and wear personal protective equipment as stated on the label.

No new residue data for quizalofop-p-ethyl were submitted or are required to support the registration of the end-use product Secure Herbicide for control of annual and perennial grasses in several crops. The use pattern on the label of Secure Herbicide, including the crops, application rates, methods and timing of application, number of applications, grazing restrictions, tank mixes and other use directions or limitations, are covered by the registered use pattern on the precedent product's label. Residues of the resolved isomer quizalofop-p-ethyl in/on treated commodities will be covered under the maximum residue limits (MRLs) currently established for the unresolved isomeric mixture

quizalofop-ethyl (<http://pr-rp.hc-sc.gc.ca/mrl-lrm/index-eng.php>). No health risks of concern have been identified for any segment of the population including infants, children, adults and seniors.

Environmental Assessment

No additional risk to the environment is expected from the registration of the end-use product, Secure. The use pattern for this product fits within the registered use pattern for quizalofop-p-ethyl. Environmental concerns have been mitigated through adequate statements on the product label

Value Assessment

The availability of Secure will provide farmers with another option to control grasses in an array of crops. Registration of this product may increase product competition in the marketplace, which may in turn reduce purchasing costs of similar products.

Value information, which included data from field trials conducted in Ontario and Saskatchewan and a scientifically sound rationale, demonstrated that the product performance, in terms of efficacy and crop tolerance, of Secure was agronomically similar to the cited precedent product. Secure can be expected to provide acceptable control of all labelled weeds and have an adequate margin of crop tolerance for use in all labelled crops.

Conclusion

The PMRA has reviewed the information provided in support of Secure. Based on the results of this review, Secure is acceptable for registration.

References

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