

Evaluation Report for Category B, Subcategory B.2.3,B.2.4,B.2.5 Application

Application Number: 2010-3611
Application: Changes to Formulant Chemistry
Product: Prism SG Herbicide
Registration Number: 30057
Active ingredients (a.i.): rimsulfuron
PMRA Document Number : 2230806

Purpose of Application

The purpose of this application is to register a new end-use product with a new formulation type (Dry Flowable to Soluble Granules) based on two precedent products, Prism Herbicide 25% Dry Flowable (Registration Number 23983) and Rimsulfuron 25 SG MUP (Registration Number 29101).

Chemistry Assessment

Prism SG Herbicide is formulated as a soluble granular concentrate containing rimsulfuron at a nominal concentration of 25 %. This end-use product has a density of 0.61 – 0.67 g/cm³ and pH of 6.7 (1% solution). The chemistry requirements for Prism SG Herbicide are complete.

Health Assessments

Toxicological profile was determined to be equivalent to the precedent, Rimsulfuron 25 SG MUP.

Previously reviewed residue data for potato and tomato were considered in the context of the current submission. As the use directions and restrictions for the proposed end-use product Prism SG Herbicide on potatoes and tomatoes are identical to those for the precedent Prism Herbicide 25% Dry Flowable, no increase in the magnitude of rimsulfuron residues on treated crops is expected. Consequently, the dietary exposure is not expected to increase and will not pose an unacceptable risk to any segment of the population, including infants, children, adults and seniors.

The new formulation should not result in an increase in potential occupational or bystander (re-entry) exposure over currently registered uses of the active ingredient since the application rate, number of applications, frequency of application and method of application fall within registered use of other soluble granular formulations.

Environmental Assessment

Environmental precautionary statements on the proposed label are adequate provided that the

product is applied by ground application.

Value Assessment

The use pattern for Prism SG Herbicide is based on the precedent registration of Prism Herbicide 25% Dry Flowable. Based on the available information, agronomic equivalence (efficacy and crop tolerance) would be expected between the precedent product and Prism SG Herbicide.

Conclusion

Following the assessment of information provided in support of the application, the Pest Management Regulatory Agency has found the information acceptable to support registration.

References

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| 1445994 | 2006, Rimsulfuron (DPQ-E9636) 25SG: Acute Oral Toxicity Study in Rats-Up-and-Down Procedures, DACO: 4.6.1 |
| 1446002 | 2005, Rimsulfuron (DPX-E9636) 25SG: Local Lymph Node Assay (LLNA) in Mice, DACO: 4.6.6 |
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| 1524563 | 2005, Rimsulfuron (DPX-E9636) 25 SG: Local Lymph Node Assay (LLNA) in Mice, DACO: 4.6.6 |
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| 1524565 | 2006, Rimsulfuron (DPX-E9636) 25 SG: Acute Eye Irritation Study in Rabbits, |

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