



Evaluation Report for Category L, Subcategory 1.2 Application

Application Number: 2022-1903
Application: Application subject to the Protection of Proprietary Interests in Pesticide Data (PPIP) Policy – Equivalency/Data Compensation Assessment
Product: Sequence
Registration Number: 35332
Active ingredient (a.i.): Dodine
PMRA Document Number: 3489454

Purpose of Application

The purpose of this application was to register Sequence, a new commercial fungicide for use on terrestrial food crops, based on a registered precedent product.

Chemistry Assessment

Sequence is formulated as a suspension containing dodine at a concentration of 400 g/L. This end-use product has a density of 1.0125 g/mL and pH of 6.51. The required chemistry data for Sequence have been provided, reviewed and found to be acceptable.

Health Assessments

Sequence was considered toxicologically equivalent to the precedent product; therefore, no toxicology data were required. Sequence is considered to be of low acute toxicity via the oral and dermal route, and to be of slight acute toxicity via the inhalation route. It is considered extremely irritating to the eyes and moderately irritating to the skin. It is not considered to be a potential dermal sensitizer.

The use of Sequence containing dodine is comparable to the registered use pattern of the precedent product. Therefore, potential exposures for mixers, loaders, applicators, bystanders, postapplication workers and adults, youth and children entering treated residential settings, are not expected to exceed the current exposures to the registered products of this active ingredient. No health risks of concern are expected for workers, bystanders, adults, youth and children when label directions, precautions and restrictions are followed.

No new residue data for dodine were submitted or are required to support the registration of Sequence. Previously reviewed residue data were re-assessed in the framework of this application.

The use directions on the Sequence label, including the target crops, method (ground), rates and timing of application, geographic restrictions, and preharvest intervals are comparable to those on the label of the precedent end-use product.

Residues are not expected to be greater than those from the currently registered uses and will be covered by the established maximum residue limits (MRLs). Consequently, dietary exposure to residues of dodine is not expected to increase with the registration of Sequence and will not pose health risks of concern to any segment of the population, including infants, children, adults and seniors.

Environmental Assessment

The uses on the Sequence label are within the currently registered use pattern of the active ingredient, dodine. After a scientific review of the available information, the PMRA has concluded that the environmental risks associated with the use of Sequence are acceptable when used according to label directions.

Value Assessment

Based on available information, formulation differences between Sequence and the cited precedent product containing dodine, are not expected to result in differences in product performance. Therefore, the use pattern registered for the precedent product is supported for Sequence. The registration of Sequence provides growers with an additional product option for managing certain diseases on label-listed crops.

Conclusion

The Pest Management Regulatory Agency has completed an assessment of the information provided, and has found the information acceptable to support the registration of Sequence.

References

PMRA

Document

Number	Reference
3351630	2022, Applicant Name & Address; Formulating Plant Name & Address; Product Identification, DACO: 3.1.1, 3.1.2, 3.1.3, 3.1.4, 3.2.3, 3.3.1, 3.5.13, 3.5.15, 3.5.5
3351632	2019, Determination of Explosive Properties of Dodine 400 g/L SC, DACO: 3.5.12
3351633	2019, Oxidation/Reduction: Chemical Incompatibility of Dodine 400 g/L SC, DACO: 3.5.8
3351634	2019, Determination of Flash Point of Dodine 400 g/L SC, DACO: 3.5.11
3351635	2019, Determination of Viscosity of Dodine 400 g/L SC, DACO: 3.5.9
3351636	2019, Determination of Relative Density of Dodine 400 g/L SC, DACO: 3.5.6
3351637	2020, Accelerated Storage Stability Test by Heating at 54 +/- 2 C Temperature of Dodine 400 g/L SC, DACO: 3.4.1, 3.5.1, 3.5.10, 3.5.14, 3.5.2, 3.5.3, 3.5.7
3351638	2022, Description of formulation process to Dodine 400 SC, DACO: 3.2.1, 3.2.2 CBI

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