

Evaluation Report for Category B, Subcategory 2.1, 2.3, 2.4, 2.5 Application

Application Number: 2015-0843
Application: B.2.1 - New Guarantee
B.2.3 - New Identity of Formulants
B.2.4 - New Proportion of Formulants
B.2.5 - New Formulation Type
Product: Insignia SC Fungicide
Registration Number: 32247
Active ingredients (a.i.): Pyraclostrobin
PMRA Document Number : 2628861

Purpose of Application

The purpose of this application was to register the end-use product Insignia SC Fungicide, which contains the active ingredient pyraclostrobin, for use on turf.

Chemistry Assessment

Insignia SC Fungicide is formulated as a suspension containing pyraclostrobin at a nominal concentration of 250 g/L. This end-use product has a density of 1.06 – 1.10 kg/L and pH of 5.62. The required chemistry data for Insignia SC Fungicide have been provided, reviewed and found to be acceptable.

Health Assessments

Insignia SC Fungicide is of high acute oral toxicity, and low acute dermal and inhalation toxicity in rats. In the rabbit, it is minimally irritating to the eyes and mildly irritating to the skin. It is not a skin sensitizer in the guinea pig.

The use of the end-use product Insignia SC Fungicide on turf is not expected to result in increased potential occupational or bystander exposure over the registered use of pyraclostrobin. No risks of concern are expected when workers follow label directions and wear personal protective equipment as stated on the label.

Environmental Assessment

An environmental assessment was not required for this application.

Value Assessment

Insignia SC Fungicide is applied at rates, application timings and has pest claims which are within the current use pattern for pyraclostrobin. Value information was provided as three efficacy trials on dollar spot and brown patch diseases on turf testing Insignia

SC Fungicide and a currently registered pyraclostrobin end use product as side-by-side treatments to demonstrate the equivalence in efficacy. The efficacy results between the currently registered formulation and Insignia SC Fungicide applied at the same rate were comparable.

Based on the value information submitted, Insignia SC Fungicide, which contains a new formulation of pyraclostrobin, is supported.

Conclusion

PMRA has reviewed information provided in support of the end use product Insignia SC Fungicide. Based on the results of this review, Insignia SC Fungicide is acceptable for full registration.

References

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- PMRA 2507627 2008, BAS 500 17 F - Acute inhalation toxicity study in Wistar rats – 4-hour liquid aerosol exposure, DACO: 4.6.3
- PMRA 2507628 2008, BAS 500 17 F: Acute eye irritation in rabbits, DACO: 4.6.4
- PMRA 2507629 2008, BAS 500 17 F: Acute dermal irritation in rabbits, DACO: 4.6.5
- PMRA 2507630 2008, BAS 500 17 F BUEHLER test in guinea pigs, DACO: 4.6.6

- 2507614 2015, Insignia SC - DACO 10.1 Value, DACO: 10.
- 2529122 2015, Part 10 Value, DACO: 10.2.3.3(D)

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