

Evaluation Report for Category B Subcategory 2.1 Application

Application Number: 2013-2336
Application: B.2.1 New / Changes EP or MA Product Chemistry-Guarantee
Product: Moss-Aside Moss Killer
Registration Number: 31344
Active ingredients (a.i.): Potassium soap of fatty acids (SOC) / Herbicide
PMRA Document Number : 2316261

Purpose of Application

The purpose of this application was to register a new commercial end-use product, Moss-Aside Moss Killer, for control of mosses, algae, lichens, and liverworts on various sites, including lawns and ornamental gardens and motor homes/boats.

Chemistry Assessment

Moss-Aside Moss Killer is a formulation containing potassium salts of fatty acids at 22.11%. This product has a density of 1.04 ± 0.03 g/mL and a pH of 10.00 ± 0.25 . The chemistry requirements for Moss-Aside Moss Killer have been fulfilled.

Health Assessments

The new commercial end-use product, Moss-Aside Moss Killer, is used for the control of mosses, algae, lichens and liverworts on various sites, including on or around buildings, lawns and ornamental gardens.

Moss-Aside Moss Killer is expected to have low acute toxicity by oral and dermal route, however, it is a skin and eye irritant. The current label statements for Moss-Aside Moss Killer are considered adequate to address any potential risk due to exposure of the mixer, loader, applicator and/or bystander to the end-use product. Occupational exposure when applying Moss-Aside Moss Killer is not expected to result in unacceptable risk when the product is used according to label directions.

Environmental Assessment

The use of the proposed formulation of Moss-Aside Moss Killer product containing potassium salts of fatty acids is not expected to increase the environmental exposure relative to other approved fatty acids-based soap salts (e.g., Registration Numbers 27882 and 27883). Therefore, negligible risk is expected. Environmental concerns have been mitigated through adequate statements on the product label.

Value Assessment

Formulation and efficacy claims for Moss-Aside Moss Killer are similar to H02 Moss Killer Consumer Concentrate, but Moss-Aside Moss Killer is requested for commercial use. Therefore, information submitted in support of the registration of H02 Moss Killer Consumer Concentrate under application number 2013-2334 is applicable to Moss-Aside Moss Killer.

The availability of Moss-Aside Moss Killer will offer an additional tool to manage mosses, algae, lichens, and liverworts.

Conclusion

The Pest Management Regulatory Agency (PMRA) has carried out an evaluation of available information and has concluded that the registration of a new commercial end-use product, Moss-Aside Moss Killer, for control of mosses, algae, lichens, and liverworts on various sites, including lawns, ornamental gardens and motor homes/boats can be supported.

References

Chemistry

2297792 2013, Binder #1, DACO: 3.0, 3.1, 3.1.1, 3.1.2, 3.1.3, 3.1.4, 3.2, 3.2.1, 3.2.2, 3.2.3, 3.3.1, 3.4, 3.4.1, 3.4.2, 3.5, 3.5.1, 3.5.10, 3.5.11, 3.5.12, 3.5.13, 3.5.14, 3.5.15, 3.5.2, 3.5.3, 3.5.4, 3.5.5, 3.5.6, 3.5.7, 3.5.8, 3.5.9 CBI

Health

2297830 2013, Part 5, Exposure (Occupational and/or Bystander), DACO 5.2

Value

2297794 2013, Binder #3, DACO:10.1, 10.2, 10.2.1, 10.2.2, 10.2.3, 10.2.3.1, 10.2.3.2, 10.2.3.3(B), 10.3, 10.3.1, 10.3.2(A), 10.3.3, 10.4, 10.5, 10.5.1, 10.5.2, 10.5.3, 10.5.4.

2297795 2013, Non-safety Adverse Effects - Summaries, DACO: 10.3.2.

2297796 2013, Efficacy Summaries, DACO: 10.2.3.1.

2297797 2012, The Evaluation of Moss Reduction Products on Bentgrass Turf, DACO: 10.2.3.3(B).

2297798 2008, Evaluation of Efficacy of Citrus Oil (d-limonene) Applications to Control Lawn Moss as Compared to Commercial Standards, DACO: 10.2.3.3(B).

2297800 2008, Evaluation of Efficacy of Citrus Oil (d-limonene) Applications to Control Lawn Moss as Compared to Commercial Standards, DACO: 10.2.3.3(B).

2297802 2000, 2000 Spring Putting Green Moss Control Trial (Preliminary Report), DACO: 10.2.3.3(B).

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2297805 2012, 2011 Evaluation of Turf-grass Phytotoxicity Resulting from Repeated Applications of Fiesta, Moss-Aside, Lilly Miller Moss-Out, and Iron Sulfate

- Heptahydrate on a MacKenzie Creeping Bentgrass Putting Green, DACO: 10.2.3.3(B).
- 2297806 2012, 2011 Evaluation of Turf-grass Phytotoxicity Resulting from Repeated Applications of Fiesta, Moss-Aside, Lilly Miller Moss-Out, and Iron Sulfate Heptahydrate on an Annual Bluegrass Putting Green, DACO: 10.2.3.3(B).
- 2297807 2008, Perennial Ryegrass and Annual Bluegrass Tolerance to Citrus Oil (d-limonene) Applications to Control Lawn Moss as Compared to Commercial Standards, DACO: 10.2.3.3(B).
- 2297808 2001, Moss Control on Putting Greens Using Potassium Salt of Fatty Acids, DACO: 10.2.3.3(B).

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