



Evaluation Report for Category L, Subcategory 1.2 Application

Application Number: 2020-0052
Application: Submissions Subject to Protection of Proprietary Interests in Pesticide Data Policy - Equivalency/ Data Compensation Assessment
Product: EarthTec QZ
Registration Number: 34317
Active ingredient (a.i.): Copper (present as copper sulfate pentahydrate)
PMRA Document Number : 3259339

Purpose of Application

The purpose of this application was to register a new commercial end-use product, EarthTec QZ, for use as an algaecide, bactericide and fungicide in ponds, lagoons, animal drinking water tanks, swimming pools, and municipal waste water, based on a precedent.

Chemistry Assessment

EarthTec QZ is formulated as a solution containing copper (present as copper sulfate pentahydrate) at a concentration of 5.0%. This end-use product has a density of 1.183 kg/L and pH of 1.5-2.5. The required chemistry data for EarthTec QZ have been provided, reviewed and found to be acceptable.

Health Assessments

EarthTec QZ is considered to be toxicologically equivalent to the precedent products; therefore, no toxicology data are required. EarthTec QZ is considered to be corrosive, which contributes to the acute toxicity. It is corrosive to eyes and skin.

Occupational risk to individuals handling EarthTec QZ is acceptable when the product is used according to label directions. Precautionary, personal protective equipment and directions for use statements on the product label aimed at mitigating user exposure are adequate to protect individuals from any potential risk due to occupational exposure

Drinking water exposure and risks from copper in drinking water from the uses of EarthTec QZ are acceptable when the product is used according to label directions.

A food residue exposure assessment was not required for this application.

Environmental Assessment

Registration of EarthTec QZ for the control of algae, bacteria, and fungi in the listed uses on the label does not pose any additional risk to the environment when used

according to the label directions.

Value Assessment

A comparison of the formulation of EarthTec QZ to the cited precedent products, and the subsequent comparison of the use patterns demonstrated that the difference between the formulations is not expected to have an impact on the product's efficacy. As such, all uses on the precedent product labels are acceptable to be included on the EarthTec QZ product label.

Conclusion

The Pest Management Regulatory Agency has completed an assessment of the information provided and has found it sufficient to support the registration of EarthTec QZ.

References

PMRA Document Number	References
3074735	2019, Chemistry-3.1.1-4, 3.2.1, 3.3.1, 3.5.4-5-Earthtec EP-18oct2019, DACO: 3.1.1,3.1.2,3.1.3,3.1.4,3.2.1,3.3.1,3.5.4,3.5.5 CBI
3074736	2019, Formulation Process for ET-F:, DACO: 3.2.2 CBI
3074737	2019, EarthTec QZ Analytical method-12nov2019, DACO: 3.4.1 CBI
3074738	2008, Physical and Chemical Analyses of EARTHTEC Product, DACO: 3.5.1,3.5.10,3.5.11,3.5.12,3.5.13,3.5.14,3.5.15,3.5.2,3.5.3,3.5.6,3.5.7,3.5.8,3.5.9 CBI
3074739	2011, Accelerated Condition (31 day at 40C) Storage stability and Corrosion Analysis of EarthTec Product, DACO: 3.5.10,3.5.14 CBI

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