

Evaluation Report for Category B, Subcategories 2.1, 2.3, 2.4, 3.12, 3.14 Application

Application Number: 2019-0606
Application: New EP or MA Product Chemistry-Guarantee, Identity of Formulants, Proportion of Formulants
New Product Labels-New Site or Host, Classifications
Product: BioClenz Bactericide
Registration Number: 33912
Active ingredient (a.i.): Copper, present as copper sulfate pentahydrate
PMRA Document Number: 3155636

Purpose of Application

The purpose of this application was to register a new end-use product to control bacteria and bacterial odours in septic tanks, recreational vehicle septic systems and open portable toilets.

Chemistry Assessment

BioClenz Bactericide is formulated as a solution containing copper, present as copper sulfate pentahydrate at 0.40%. This end-use product has a density of 1.005–1.030 g/mL and pH of 1.2–1.7. The required chemistry data for BioClenz Bactericide have been provided, reviewed and found to be acceptable.

Health Assessments

BioClenz Bactericide is of low acute toxicity by the oral and dermal routes, is corrosive or extremely irritating to the eyes, is extremely irritating to the skin, and is not a dermal sensitizer.

Occupational risk to individuals handling BioClenz Bactericide is acceptable when the product is used according to label directions.

Bystander and residential exposure is not expected to result in health risks of concern when the product is used according to label directions.

A dietary exposure assessment was not required for this application.

Environmental Assessment

The registration of BioClenz Bactericide does not pose any additional risk to the environment when used according to the label.

Value Assessment

Value information was submitted to confirm the bactericidal capabilities of Bioclenz Bactericide. Therefore, Bioclenz Bactericide has been found to have acceptable value.

Conclusion

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

References

PMRA

Document

Number	Reference
2831380	2016, Method Validation for the Assay Determination of Copper in OCION PX10 by ICP-OES, DACO: 2.0,2.13.1,2.13.2 CBI
2831383	2016, Product Chemistry, Accelerated Storage Stability, Corrosion Characteristics Testing of OCION PX10, DACO: 2.14.14,2.14.2,3.5.1,3.5.10,3.5.14,3.5.2,3.5.5,5.13 CBI
2991797	2019, DACO 3.2.2_Formulation Process_BioClenz_May2019, DACO: 3.2.2 CBI
2991798	2019, DACO 3_BioClenz_May2019, DACO: 3.0,3.1,3.1.1,3.1.2,3.1.3,3.1.4,3.2,3.2.1,3.2.2,3.3.1,3.4,3.4.1,3.5,3.5.1,3.5.10,3.5.11,3.5.12,3.5.13,3.5.14,3.5.15,3.5.2,3.5.3,3.5.4,3.5.5,3.5.6,3.5.7,3.5.8,3.5.9 CBI
2991801	2019, BioClenz_Chemistry_LabResults, DACO: 3.5,3.5.6,3.5.7,3.5.9,3.7 CBI
2991809	2019, Determination of Corrosion Characteristics of OCION PX10, DACO: 10.3.2,3.5.14 CBI
2991762	1989, Acute Oral Toxicity Study of SCI-62 in Rats, DACO: 4.6.1
2991763	1989, Acute Dermal Toxicity Study of SCI-62 in Rabbits, DACO: 4.6.2
2991764	1991, Primary Dermal Irritation Study of EarthTec/Pristine Blue in Rabbits (EPA Guidelines), DACO: 4.6.5
2991799	2019, DACO 4.6_BioClenz_May2019, DACO: 4.6, 4.6.1, 4.6.2, 4.6.3, 4.6.4, 4.6.5, 4.6.6, 4.6.8
2991800	2019, DACO 5_BioClenz_May2019, DACO: 5.1,5.2
	2015, OCION PX10 Efficacy Bactericide:EN1276, DACO: 10.2,10.2.2,
2831393	10.2.3,10.2.3.1,10.2.3.2

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