

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

Application Number: 2016-2100

Application: New End-Use Product Chemistry – Guarantee, Identity and Proportion of Formulants

Product: Granular Trichlor 29

Registration Number: 32721

Active ingredients (a.i.): Available chlorine present as trichloro-s-triazinetriene and Copper, present as copper sulfate pentahydrate

PMRA Document Number : 2758070

Purpose of Application

The purpose of this application was to register a domestic end-use product, Granular Trichlor 29, to be used as a chlorine sanitizer and an algaecide maintenance product in swimming pools and spas.

Chemistry Assessment

Granular Trichlor 29 is formulated as a granule containing available chlorine at 45.00% present as trichloro-s-triazinetriene and copper at 0.25% present as copper sulfate pentahydrate. This end-use product has a density of 2.0661 g/mL and pH of 5.34. The required chemistry data for Granular Trichlor 29 have been provided, reviewed and found to be acceptable.

Health Assessments

Granular Trichlor 29 was of moderate acute toxicity to rats via the oral route, but of low acute toxicity to rats via the dermal and inhalation routes. It was corrosive to the eyes and skin of rabbits. Granular Trichlor 29 is a potential dermal sensitizer based on positive findings in mice.

The accepted uses on Granular Trichlor 29 are within the currently registered use patterns for both the active ingredients. Therefore, exposure to handler and swimmers is not expected to increase over the exposure from the currently registered products.

A dietary exposure assessment was not required for this application.

Environmental Assessment

An environmental assessment was not required for this application.

Value Assessment

Since it is well established that trichloro-s-triazinetrione will provide adequate sanitation of swimming pool water when the free available chlorine is maintained between 1 and 3 ppm and copper sulphate pentahydrate will provide adequate algae prevention/control at copper levels of 0.2-1.0 ppm, the use of Granular Trichlor 29 as a sanitizer/algaeicide combination product is considered acceptable.

Conclusion

The Pest Management Regulatory Agency has completed an assessment of the information provided and has found the information sufficient to support the registration of Granular Trichlor 29.

References

A. List of Studies/Information Submitted by the Registrant

PMRA Document Number	References
2633169	2016, Product Identification, DACO: 3.1.1, 3.1.2, 3.1.3, 3.1.4 CBI
2633170	2015, T-0029 Group A - Product Identity, Composition and Analysis, DACO: 3.2.1, 3.2.2, 3.2.3, 3.3.1, 3.4.1 CBI
2633171	2015, Product Chemistry Discussion Volume Granular Trichlor 29, DACO: 3.2.1 CBI
2633172	2015, The Chemical and Physical Properties Evaluation of T-0029, DACO: 3.5.1, 3.5.11, 3.5.12, 3.5.2, 3.5.8 CBI
2633173	2015, T-0029 Product Chemistry, DACO: 3.5.6, 3.5.7 CBI
2633174	2015, Product Chemistry Data Waiver Granular Trichlor 29, DACO: 3.5.11, 3.5.13, 3.5.15, 3.5.9, 4.6.4 CBI
2633175	2015, T-0029 Accelerated Storage Stability with Corrosion Characteristics, DACO: 3.5.10, 3.5.14 CBI
2633181	2015, Container and closure information, DACO: 3.5.5 CBI
2686611	2016, Particle Size Description, DACO: 3.2.2 CBI
2686613	2016, Confirmation of Commercially Available Containers, DACO: 3.5.5 CBI
2686614	2016, T-0029 Storage stability with Corrosion Characteristics, DACO: 3.5.10, 3.5.14 CBI
2633176	2015, T-0029 Acute Oral Toxicity in Rats, DACO: 4.6.1
2633177	2015, T-0029 Acute Dermal Toxicity in Rats, DACO: 4.6.2
2633178	2015, T-0029 Acute Inhalation Toxicity in Rats, DACO: 4.6.3
2633179	2015, T-0029 Acute Dermal Irritation in Rabbits, DACO: 4.6.5
2633180	2015, T-0029 Skin Sensitization: Local Lymph Node assay in Mice, DACO: 4.6.6
2633182	2016, Toxicology Summary, DACO: 4.1

B. Additional Information Used

Published Information

Ryan, C.A. et al., 2007, Extrapolating Local Lymph Node Assay Ec3 Values to Estimate Relative Sensitizing Potency. *Cutaneous and Ocular Toxicology* 2008 Vol. 26, pg. 135-145.

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