

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

Application Number: 2016-4236
Application: New End-use Product / Product Chemistry – Guarantee; Identity and Proportion of Formulants
Product: Swimming Pool Product Z
Registration Number: 32923
Active ingredient (a.i.): Available chlorine, present as sodium dichloro-s-triazinetrione
PMRA Document Number : 2769434

Purpose of Application

The purpose of this application was to register the new end-use product Swimming Pool Product Z. The product is a routine chlorine sanitizer for domestic swimming pools and spas, as well as a shock and winterizing product for swimming pools.

Chemistry Assessment

Swimming Pool Product Z is formulated as granules containing available chlorine, present as sodium dichloro-s-triazinetrione, at a nominal concentration of 39.0%. This end-use product has a density of 1.03 g/mL and pH of 4.7. The required chemistry data for Swimming Pool Product Z have been provided, reviewed and found to be acceptable.

Health Assessments

Swimming Pool Product Z was of high acute toxicity to rats via the oral route, of low acute toxicity to rats via the dermal route and is expected to be of slight acute toxicity via the inhalation route. Swimming Pool Product Z was corrosive to the eyes and skin of rabbits, and is a potential dermal sensitizer based on positive findings in guinea pigs.

The use of the new product, Swimming Pool Product Z, in swimming pools and spas is not expected to result in potential applicator, bather or bystander exposures exceeding those from the registered use of sodium dichloro-s-triazinetrione. No risks of concern are expected when handlers follow label directions and wear personal protective equipment as stated on the label.

A dietary exposure assessment was not required for this application.

Environmental Assessment

The use of the new domestic granular product Swimming Pool Product Z in swimming pools and spas for control of bacteria and algae is not expected to pose environmental concerns.

Value Assessment

Value information was provided to support the use of Swimming Pool Product Z as a chlorine sanitizer in domestic swimming pools and spas, provided that the free available chlorine is maintained at 1-3 ppm for pools and 3-5 ppm for spas. Therefore, this product has been found to have acceptable value.

Conclusion

The Pest Management Regulatory Agency has completed an assessment of the information provided, and has found the information sufficient to register the new product Swimming Pool Product Z for use in swimming pools and spas.

References

PMRA Document Number	Reference
2666278	2016, Summaries, DACO: 10.1,10.2.1,10.2.2,10.2.3.1,10.3.1,10.3.2
2666263	2016, Product Identification, DACO: 3.1.1,3.1.2,3.1.3,3.1.4 CBI
2666264	2003, Product Identity, Composition and Analysis, DACO: 3.2.1, 3.2.2, 3.3.1, 3.4.1 CBI
2666265	2016, Chemical and Physical Properties, DACO: 3.5.14, 3.5.15, 3.5.4, 3.5.5, 3.5.9 CBI
2666266	2003, The Chemical and Physical Properties Evaluation of Swimming Pool Product Z Part 1 of 2, DACO: 3.5.2,3.5.6,3.5.7 CBI
2666267	2003, The Chemical and Physical Properties Evaluation of Swimming Pool Product Z Part 2 of 2, DACO: 3.5.11,3.5.12,3.5.13,3.5.8 CBI
2666268	2005, One Year Storage Stability Evaluation, DACO: 3.5.10 CBI
2730159	2017, Updated Description of Formulation Process, DACO: 3.2.2 CBI
2730160	2017, Bridging Waiver, DACO: 3.5.1,3.5.10,3.5.14,3.5.3,3.5.6,3.5.7 CBI

ISSN: 1911-8082

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