



Evaluation Report for Category B, Subcategory 2.6 Application

Application Number: 2011-0560
Application: B.2.6 – New Combination of TGAI
Product: HTH Dual Action 3” Chlorinating Pucks
Registration Number: 30476
Active ingredients (a.i.): chlorine, present as trichloro-s-triazinetrione
Copper, present as copper sulphate pentahydrate
PMRA Document Number: 2272252

Purpose of Application

The purpose of this application was to register HTH Dual Action 3” Chlorinating Pucks, which is a new combination of active ingredients, trichloro-s-triazinetrione and copper sulphate pentahydrate, which functions as a routine chlorine sanitizer and an algacide maintenance product in domestic swimming pools.

Chemistry Assessment

HTH Dual Action 3” Chlorinating Pucks is formulated as a tablet containing available chlorine, present as trichloro-s-triazinetrione at 85.0% and copper, present as copper sulphate pentahydrate at 0.38%. This end-use product has a density of 2.09 g/cm³ and pH range of 2.4-2.7. The chemistry requirements for HTH Dual Action 3” Chlorinating Pucks are complete.

Health Assessments

HTH Dual Action 3” Chlorinating Pucks is of moderate toxicity via the oral route, of low toxicity via the dermal route, and is considered to be of slight toxicity via inhalation. It is extremely irritating to the eyes and moderately irritating to the skin but is not a dermal sensitizer.

Environmental Assessment

Environmental assessment was not required for this application.

Value Assessment

HTH Dual Action 3" Chlorinating Pucks is to be used as a routine chlorine sanitizer and an algaecide maintenance product in conjunction with HTH Start-Up Chlorinator & Algaecide, which functions as a start-up and maintenance chlorine sanitizer and copper algaecide supplement to be applied as needed. One efficacy trial was submitted in support of these products which demonstrated adequate sanitization of swimming pool water when the free available chlorine is maintained between 1 and 3 ppm and the proposed copper level of 0.25 ppm is maintained. Therefore, the use of HTH Dual Action 3" Chlorinating Pucks as a swimming pool sanitizer/algaecide was supported.

A qualitative health assessment has been conducted for HTH Dual Action 3" Chlorinating Pucks as a pool sanitizer, containing elemental copper (present as copper sulphate pentahydrate) and available chlorine (present as trichloro-s-triazinetriene), with guarantees of 1.5 % and 85.6%, respectively. The use pattern of HTH Dual Action 3" Chlorinating Pucks is within the currently registered use patterns for the active ingredients. Therefore, exposure is not expected to increase over the exposure from the currently registered products containing these active ingredients for use as a pool sanitizer.

Conclusion

The PMRA conducted an evaluation of the subject application and determined that HTH Dual Action 3" Chlorinating Pucks is acceptable for registration.

References

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