

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

Application Number: 2016-3248
Application: New EP Product Chemistry-Guarantee, New EP Product Chemistry-Identity of Formulants, New EP Product Chemistry-Proportion of Formulants
Product: TCCA Alun Cuivre
Registration Number: 32977
Active ingredients (a.i.): Available chlorine (present as trichloro-s-triazinetriene) and Copper, present as copper sulfate pentahydrate
PMRA Document Number: 2738176

Purpose of Application

The purpose of this application was to register a product, TCCA Alun Cuivre, containing chlorine, present trichloro-s-triazinetriene and copper, present as copper sulfate pentahydrate to be used as a sanitizer and algacide maintenance product in domestic swimming pools.

Chemistry Assessment

TCCA Alun Cuivre is formulated as tablets containing available chlorine, present as trichloro-s-triazinetriene at 63% and copper, present as copper sulfate pentahydrate at 0.38%. This end-use product has a density of 1.3 g/mL and pH of 5.5 - 7.0. The required chemistry data for TCCA Alun Cuivre have been provided, reviewed and found to be acceptable.

Health Assessments

This end-use product is expected to be moderately acutely toxic via the oral and inhalation route, but of low acute dermal toxicity. It is expected to be corrosive to the eyes and severely irritating to the skin. TCCA Alun Cuivre is expected to be a potential dermal sensitizer.

The use of the new end-use product TCCA Alun Cuivre in swimming pools is not expected to result in potential homeowner or bather exposure greater than that of the registered uses of available chlorine, present as trichloro-s-triazinetriene and copper, present as copper sulfate pentahydrate. No risks of concern are expected when homeowners follow label directions and wear personal protective equipment as stated on the label.

Environmental Assessment

An environmental assessment was not required for this application.

Value Assessment

Value information was provided to support the use of TCCA Alun Cuivre, which function as a routine chlorine sanitizer and an algacide maintenance product in domestic swimming pools provided that the free available chlorine is maintained between 1 and 3 ppm and copper levels are within the range of 0.2-1.0 ppm.

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 the end-use product, TCCA Alun Cuivre.

References

Studies/Information Provided by Applicant/Registrant

PMRA Document Number	Reference
2654193	2016, acute studies, DACO: 4.6
2654195	2016, value summary, DACO: 10.1
2654196	2016, non-safety adverse effects, DACO: 10.3.2
2654168	2016, applicants name and office address, DACO: 3.1.1 CBI
2654169	2016, formulating plants name and address, DACO: 3.1.2 CBI
2654170	2016, trade name, DACO: 3.1.3 CBI
2654171	2016, description of starting materials, DACO: 3.2.1 CBI
2654172	2016, description of the formulation process, DACO: 3.2.2 CBI
2654174	2016, discussion of the formation of impurities, DACO: 3.2.3 CBI
2654175	2016, enforcement analytical method, DACO: 3.4.1 CBI
2654176	2016, establishing certified limits, DACO: 3.3.1 CBI
2654177	2016, colour, DACO: 3.5.1 CBI
2654178	2016, physical state, DACO: 3.5.2 CBI
2654179	2016, odour, DACO: 3.5.3 CBI
2654180	2016, formulation type, DACO: 3.5.4 CBI
2654181	2016, container material and description, DACO: 3.5.5 CBI
2654182	2016, density, DACO: 3.5.6 CBI
2654183	2016, pH, DACO: 3.5.7 CBI
2654184	2016, oxidizing or reducing action, DACO: 3.5.8 CBI
2654185	2016, viscosity, DACO: 3.5.9 CBI
2654186	2016, storage stability data, DACO: 3.5.10 CBI
2654187	2016, flammability, DACO: 3.5.11 CBI
2654188	2016, explosibility, DACO: 3.5.12 CBI
2654189	2016, miscibility, DACO: 3.5.13 CBI
2654191	2016, corrosion characteristics, DACO: 3.5.14 CBI
2654192	2016, dielectric breakdown, DACO: 3.5.15 CBI
2736161	2017, Density, DACO: 3.5.6 CBI
2736162	2017, pH, DACO: 3.5.7 CBI
2736163	2017, reaction oxydante, DACO: 3.5.8 CBI
2736164	2017, explosion, DACO: 3.5.12 CBI
2736165	2017, corrosion, DACO: 3.5.14 CBI
2736166	2017, dosage cuivre, DACO: 3.4.1 CBI
2736167	2017, Stability data, DACO: 3.5.10 CBI
2736168	2017, Stability data Cuivre, DACO: 3.5.10 CBI
2736169	2017, Stability data rationale, DACO: 3.5.10 CBI

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