

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

**Application Number:** 2016-3245  
**Application:** New EP Product Chemistry-Guarantee, New EP Product Chemistry-Identity of Formulants, New EP Product Chemistry-Proportion of Formulants  
**Product:** TCCA Borate Cuivre  
**Registration Number:** 32974  
**Active ingredients (a.i.):** Available chlorine (present as trichloro-s-triazinetrione) and Copper sulfate pentahydrate  
**PMRA Document Number:** 2738144

### Purpose of Application

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

### Chemistry Assessment

TCCA Borate Cuivre is formulated as tablets containing available chlorine, present as trichloro-s-triazinetrione and copper, present as copper sulfate pentahydrate at nominal concentrations of 86.4% and 0.38%, respectively. This end-use product has a density of 2.09 - 2.29 g/mL and pH of 2.5 - 4.0. The required chemistry data for TCCA Borate 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 Borate Cuivre is not expected to be a potential dermal sensitizer.

The use of TCCA Borate 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-triazinetrione 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 Borate Cuivre, which function as a routine chlorine sanitizer and an algicide maintenance product in domestic swimming pools. The product has value 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 in the water.

## **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 Borate Cuivre.

## References

### Studies/Information Provided by Applicant/Registrant

<b>PMRA Document Number</b>	<b>Reference</b>
2654063	2016, acute studies, DACO: 4.6
2654065	2016, value summary, DACO: 10.1
2654066	2016, non-safety adverse effects, DACO: 10.3.2
2654041	2016, applicants name and office address, DACO: 3.1.1 CBI
2654042	2016, formulating plants name and address, DACO: 3.1.2 CBI
2654043	2016, trade name, DACO: 3.1.3 CBI
2654044	2016, description of starting materials, DACO: 3.2.1 CBI
2654045	2016, description of the formulation process, DACO: 3.2.2 CBI
2654046	2016, discussion of the formation of impurities, DACO: 3.2.3 CBI
2654047	2016, enforcement analytical method, DACO: 3.4.1 CBI
2654048	2016, colour, DACO: 3.5.1 CBI
2654049	2016, physical state, DACO: 3.5.2 CBI
2654050	2016, odour, DACO: 3.5.3 CBI
2654051	2016, formulation type, DACO: 3.5.4 CBI
2654052	2016, container material and description, DACO: 3.5.5 CBI
2654053	2016, density, DACO: 3.5.6 CBI
2654054	2016, pH, DACO: 3.5.7 CBI
2654055	2016, oxidizing or reducing action, DACO: 3.5.8 CBI
2654056	2016, viscosity, DACO: 3.5.9 CBI
2654057	2016, storage stability data, DACO: 3.5.10 CBI
2654058	2016, flammability, DACO: 3.5.11 CBI
2654059	2016, explosibility, DACO: 3.5.12 CBI
2654060	2016, miscibility, DACO: 3.5.13 CBI
2654061	2016, corrosion characteristics, DACO: 3.5.14 CBI
2654062	2016, dielectric breakdown, DACO: 3.5.15 CBI
2760006	2017, Batch data, DACO: 3.5.10 CBI

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