

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

**Application Number:** 2016-0384  
**Application:** New / Changes EP or MA Product Chemistry-Guarantee  
New / Changes EP or MA Product Chemistry-Identity of Formulants  
New / Changes EP or MA Product Chemistry-Proportion of Formulants  
**Product:** TCCA-Cuivre  
**Registration Number:** 32853  
**Active ingredients (a.i.):** Copper (present as copper sulfate pentahydrate) and available chlorine, present as trichloro-s-triazinetrione  
**PMRA Document Number :** 2635556

### Purpose of Application

The purpose of this application was to register a premix of active ingredients containing copper, present as sulfate pentahydrate and chlorine present as Trichloro-s-triazinetrione, to be used as a new sanitizer and algaecide end-use product in swimming pools.

### Chemistry Assessment

TCCA-Cuivre is formulated as tablets containing available chlorine, present as trichloro-s-triazinetrione and copper, present as copper sulfate pentahydrate at nominal concentrations of 88.65% and 0.38%, respectively. This end-use product has a density of 0.8 – 1.2 g/mL and pH 2.5 – 4.0. The required chemistry data for TCCA-Cuivre have been provided, reviewed and found to be acceptable.

### Health Assessments

TCCA-Cuivre 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-Cuivre is not expected to be a potential dermal sensitizer.

The use of TCCA-Cuivre is within the currently registered use patterns for both active ingredients copper (present as copper sulfate pentahydrate) and available chlorine, present as trichloro-s-triazinetrione. Therefore, exposure to TCCA-Cuivre is not expected to increase over the exposure from the currently registered products.

### Environmental Assessment

An environmental assessment was not required for this application.

### Value Assessment

Value information was provided to support the use of TCCA-Cuivre as a dual action puck containing copper (present as copper sulfate pentahydrate) and available chlorine, present as trichloro-s-triazinetriene, which function as a routine chlorine sanitizer and an algicide 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 is able to support the registration of the end-use product, TCCA-Cuivre.

## References

PMRA Document Number	Reference
2601605	2016, Valeur, DACO: 10.1
2601606	2016, Effets nocifs sans incidence, DACO: 10.3.2
2601583	2016, Description matières brutes, DACO: 3.2.1 CBI
2601584	2016, Description du procede de fab, DACO: 3.2.2 CBI
2601585	2016, Formation d'impureté, DACO: 3.2.3 CBI
2601589	2016, État Physique, DACO: 3.5.2 CBI
2601590	2016, Odeur, DACO: 3.5.3 CBI
2601591	2016, Type de formulation, DACO: 3.5.4 CBI
2601592	2016, Matériaux constitutifs et contenant, DACO: 3.5.5 CBI
2668316	2016, Procédé revise, DACO: 3.2.2 CBI
2668317	2016, Procédé revise, DACO: 3.4.1 CBI
2668323	2016, Procédé revise, DACO: 3.5.6 CBI
2668324	2016, Procédé revise, DACO: 3.5.7 CBI
2668325	2016, Procédé revise, DACO: 3.5.8 CBI
2668328	2016, Procédé revise, DACO: 3.5.11 CBI
2668329	2016, Procédé revise, DACO: 3.5.12 CBI
2741370	2016, Stability, DACO: 3.5.10 CBI
2601603	2016, Études de Toxicité, DACO: 4.6

ISSN: 1911-8082

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