

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

**Application Number:** 2019-0664  
**Application:** New EP or MA Product Chemistry-Guarantee, Identity of Formulants, Proportion of Formulants  
**Product:** Ocion Blue Swimming Pool Bactericide Algaecide  
**Registration Number:** 33927  
**Active ingredient (a.i.):** Copper, present as copper sulfate pentahydrate  
**PMRA Document Number:** 3155640

### Purpose of Application

The purpose of this applications was to register a new end-use product for the control of algae and bacteria in swimming pools, spas, and hot tubs.

### Chemistry Assessment

Ocion Blue Swimming Pool Bactericide Algaecide is formulated as a solution containing copper, present as copper sulfate pentahydrate at 0.97%. This end-use product has a density of 1.020–1.050 g/mL and pH of 1.0–1.5. The required chemistry data for Ocion Blue Swimming Pool Bactericide Algaecide have been provided, reviewed and found to be acceptable.

### Health Assessments

Ocion Blue Swimming Pool Bactericide Algaecide is of low acute toxicity by the oral and dermal routes, is corrosive or extremely irritating to the eyes, is extremely irritating to the skin, and is not a dermal sensitizer.

Risk to individuals handling Ocion Blue Swimming Pool Bactericide Algaecide is acceptable when the product is used according to label directions.

Bystander and residential exposure is not expected to result in health risks of concern when the product is used according to label directions.

A dietary exposure assessment was not required for this application.

### Environmental Assessment

An environmental assessment was not required for this application.

## **Value Assessment**

Value information was submitted to confirm the bactericidal capabilities of Ocion Blue Swimming Pool Bactericide Algaecide. Support for the algaecide claims was confirmed as the application rate falls within the accepted range found within the PMRA Value Guidelines for New Antimicrobial Pest Control Products and Label Amendments (0.2-1.0ppm ionic copper) for control of algae within pools. Therefore Ocion Blue Swimming Pool Bactericide Algaecide has been found to have acceptable value.

## **Conclusion**

The Pest Management Regulatory Agency has completed an assessment of the information provided, and has found it sufficient to support the registration of Ocion Blue Swimming Pool Bactericide Algaecide.

## References

### PMRA

#### Document

Number	Reference
2831380	2016, Method Validation for the Assay Determination of Copper in OCION PX10 by ICP-OES, DACO: 2.0,2.13.1,2.13.2 CBI
2831383	2016, Product Chemistry, Accelerated Storage Stability, Corrosion Characteristics Testing of OCION PX10, DACO: 2.14.14, 2.14.2, 3.5.1, 3.5.10, 3.5.14, 3.5.2, 3.5.5, 5.13 CBI
2989849	2018, OCION BLUE_Chemistry_LabResults, DACO: 3.4,3.5.6,3.5.7,3.5.9 CBI
2991748	2019, DACO 3.2.2_Formulation Process_OCION BLUE_May2019, DACO: 3.2.2 CBI
2991749	2019, DACO 3_OCION BLUE_May2019, DACO: 3.0, 3.1, 3.1.1, 3.1.2, 3.1.3, 3.1.4, 3.2, 3.2.1, 3.2.2, 3.3.1, 3.4, 3.4.1, 3.5, 3.5.1, 3.5.10, 3.5.11, 3.5.12, 3.5.13, 3.5.14, 3.5.15, 3.5.2, 3.5.3, 3.5.4, 3.5.5, 3.5.6, 3.5.7, 3.5.8, 3.5.9 CBI
2991809	2019, Determination of Corrosion Characteristics of OCION PX10, DACO: 10.3.2, 3.5.14 CBI
2991762	1989, Acute Oral Toxicity Study of SCI-62 in Rats, DACO: 4.6.1
2991763	1989, Acute Dermal Toxicity Study of SCI-62 in Rabbits, DACO: 4.6.2
2991764	1991, Primary Dermal Irritation Study of EarthTec/Pristine Blue in Rabbits (EPA Guidelines), DACO: 4.6.5
3026286	2019, DACO 4.6_OCION BLUE_CBI Removed_Aug2019, DACO: 4.6,4.6.1,4.6.2,4.6.3,4.6.4,4.6.5,4.6.6,4.6.8
3026288	2019, DACO 5_OCION BLUE_CBI Removed_Aug2019, DACO: 5.1,5.2
2831393	2015, OCION PX10 Efficacy Bactericide:EN1276, DACO: 10.2,10.2.2, 10.2.3,10.2.3.1,10.2.3.2

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