

Evaluation Report for Category B, Subcategory 2.1 Application

Application Number: 2009-2754
Application: New EP product chemistry: guarantee
Product: Krystal Clear Saltwater System Model CS8110
Registration Number: 29926
Active ingredient (a.i.): Device, no guarantee required
PMRA Document Number : 1986386

Purpose of Application

The purpose of this application was to register a new device that generates both chlorine and copper to control bacteria and algae in storable domestic swimming pools. A related device with a filter pump was proposed in a separate application (Application Number 2009-2715).

Chemistry Assessment

A chemistry assessment was not required for this application.

Health Assessments

There is a long history of use of chlorine as an anti-microbial in pools and spas, the proposed copper levels are lower than current use levels or drinking water guidelines and the target rate of both chlorine and copper fall within those currently registered for this use pattern. Therefore, no toxicology data were required. It is not expected that exposure of handlers and swimmers to chlorine and copper will increase over the exposure from the currently registered uses.

Environmental Assessment

An environmental assessment was not required for this application.

Value Assessment

The differences in the mechanical components of the related devices with or without a filter pump will not impact their chlorine and copper generating capacities; therefore, submitted efficacy data support both models.

Efficacy data was submitted to confirm the daily free available chlorine (FAC) and copper output of the proposed device. The device can generate a maximum of 0.113 kg FAC and 3.6 grams of copper per day and the maximum pool volume which can be treated with one device is 40 000 L. The maximum concentration of HOCl produced per day in the maximum volume of water that can be treated is within the values for currently registered devices. Therefore, the use of Krystal Clear Saltwater System Model CS8110 for use in storable domestic pools is acceptable.

Conclusion

The PMRA conducted an evaluation of the subject application and determined there was sufficient information to support registration of Krystal Clear Saltwater System Model CS8110.

References

PMRA Document Number: 1785739

Reference: 2009, CSA/UL approval letters, Data Numbering Code: 10.6

PMRA Document Number: 1835125

Reference: 2009, Test report for Krystal Clear Saltwater System, Data Numbering Code: 10.2.3.2(f)

PMRA Document Number: 1840878

Reference: 2009, Output of copper for Krystal Clear Saltwater System & Filter Pump Model CS8111, Data Numbering Code: 10.2.3.2(f)

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