

## Evaluation Report for Category B, Subcategory 2.1 Application

**Application Number:** 2010-3506  
**Application:** New end-use product chemistry - guarantee  
**Product:** Krystal Clear Sand Filter Pump & Saltwater System Model CS15110  
**Registration Number:** 30115  
**Active ingredients (a.i.):** Device (ZZZ)  
**PMRA Document Number English PDF:** 2064314

### Purpose of Application

The purpose of this application is to register a new swimming pool sanitizing and algicidal device that combines a chlorine generator, a copper ion generator, and a sand filter. The device is intended for use only for domestic, above-ground, storable swimming pools.

### Chemistry Assessment

A chemistry assessment of Krystal Clear Sand Filter Pump & Saltwater System Model CS15110 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.

A health assessment has been conducted for the registration of a new domestic end-use product, Krystal Clear Sand Filter Pump and Saltwater System Model CS15110, a device that produces chlorine and copper to sanitize swimming pools. It is not expected that handler nor swimmer exposure to chlorine and copper will increase over that of currently registered uses.

### Environmental Assessment

An environmental assessment of Krystal Clear Sand Filter Pump & Saltwater System Model CS15110 was not required for this application.

## **Value Assessment**

Efficacy data was submitted to confirm the daily free available chlorine (FAC) and copper output of Krystal Clear Sand Filter Pump & Saltwater System Model CS15110. The device can generate a maximum of 0.12 kg FAC and 4.3 grams of copper per day and the maximum pool volume which can be treated with one Krystal Clear Sand Filter Pump & Saltwater System Model CS15110 is 37,850 L. Therefore, the use of Krystal Clear Sand Filter Pump & Saltwater System Model CS15110 for use in above-ground, storable, domestic pools is acceptable.

## **Conclusion**

The PMRA has completed an assessment of available information for Krystal Clear Sand Filter Pump & Saltwater System Model CS15110 and has found the information sufficient to support a full registration.

## **References**

- 1941069      Test report for Krystal Clear Sand Filter Pump & Saltwater System model CS15110. DACO 10.2.3.2
  
- 1941068      CSA/UL APPROVAL LETTERS. DACO 10.6

ISSN: 1911-8082

© Her Majesty the Queen in Right of Canada, represented by the Minister of Public Works and Government Services Canada 2011

All rights reserved. No part of this information (publication or product) may be reproduced or transmitted in any form or by any means, electronic, mechanical photocopying, recording or otherwise, or stored in a retrieval system, without prior written permission of the Minister of Public Works and Government Services Canada, Ottawa, Ontario K1A 0S5.