



## Evaluation Report for Category B, Subcategory 2.1 Application

**Application Number:** 2010-5156  
**Application:** B.2.1 – New EP  
**Product:** Hydro-Force Flowclear Chlorinator  
**Registration Number:** 30383  
**Active ingredients (a.i.):** Device  
**PMRA Document Number English PDF:** 2138291

### Purpose of Application

The purpose of this application was to register the chlorine generating swimming pool device, Hydro-Force Flowclear Chlorinator.

### Health Assessments

There is a long history of use of chlorine as an anti-microbial in pools and the target rate of chlorine falls within rates currently registered for this use pattern. No new toxicological concerns were identified as the toxicological profile for this product is similar to other devices currently registered in Canada.

A qualitative health assessment has been conducted for Hydro-Force Flowclear Chlorinator, domestic swimming pool device, which uses sodium chloride to generate chlorine. The use pattern of Hydro-Force Flowclear Chlorinator is within the current use pattern of registered pool devices. Therefore, exposure to chlorine to handlers and swimmers is not expected to increase over the exposure from the currently registered product.

### Value Assessment

Efficacy data of a laboratory trial was submitted to confirm the daily free available chlorine (FAC) output of Hydro-Force Flowclear Chlorinator. The device can generate a maximum of 0.096 kg of FAC per day which is sufficient to generate 1-3 ppm of FAC in the maximum pool volume which can be treated with one device (27 311 L). Therefore, the use of Hydro-Force Flowclear Chlorinator for use in domestic removable pools is acceptable.

### Chemistry and Environmental Assessments

Chemistry and environmental assessments were not required for this application.

## **Conclusion**

The PMRA has completed an assessment of the available information for Hydro-Force Flowclear Chlorinator. The PMRA has determined the information sufficient to support full registration of the Hydro-Force Flowclear Chlorinator

## **References**

- 1973523      2010, CTUV Certificate, DACO: 0.8.9
- 1973524      Chlorinator Test Report, DACO: 10.2.3,10.2.3.4

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