

## Evaluation Report for Category B, Subcategory B.2.1, B.2.3, B.2.4, B.3.1 Application

**Application Number:** 2006-0423  
**Product:** Calcium Hypochlorite 48%  
**Registration Number:** 29098  
**Active ingredients (a.i.):** Calcium Hypochlorite (CHC)  
**PMRA Document Number:** 1633510

### Background

Sani-Marc Inc. has submitted an application for registration of a new domestic class pool product, Calcium Hypochlorite 48%. This product contains calcium hypochlorite as an active ingredient with a guarantee of 48%.

### Purpose of Application

The Calcium hypochlorite 48% product is used to control bacteria and algae in swimming pool waters. Uses include routine chlorination, superchlorination and algae control.

### Chemistry Assessment

CES passed this submission at Level C1. However, changes to the chemistry in the Level C2 response necessitated a second review. The applicant has since addressed all the deficiencies identified by CES, with one label amendment remaining.

### Health Assessments

This new End Use product represents a dilution of a currently registered scheduled 65% Calcium hypochlorite product. The toxicological profile is not expected to be negatively impacted; therefore, additional toxicology data were not required.

A health assessment has been conducted for Calcium Hypochlorite 48%. It is not expected that exposure to M/L/A and swimmers will increase over the exposure from currently registered products containing Calcium Hypochlorite active ingredient.

### Environmental Assessment

Not Required

## **Value Assessment**

The applicant submitted a laboratory trial which demonstrated that Calcium Hypochlorite 48% is an effective swimming pool sanitizer. The efficacy data package also included a one-month field trial that determined that Calcium Hypochlorite 48% does not adversely affect pool water parameters when used as the sole source of chlorine.

## **Conclusion**

This submission status is Level C2 passed, Level D waived.

## **References**

### **7.0 References List**

#### **7.6.1 Studies/Information Provided by Applicant/Registrant**

##### **PMRA**

##### **Document**

<b>Number</b>	<b>Reference</b>
1134150	Vérification de l'efficacité de désinfection du CAL HYPO 48%. Août 2005. pp.7
1134149	Effect of Cal hypo 48% on pool water chemistry September 2005.
1134148	Product summary and role of formulant within the formulation

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