



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

Application Number: 2004-4118
Application: Category B, Subcategory B.2.1, B.2.3, B.2.4, B.3.1
Product: Super Sock-It
Active ingredients (a.i.): Calcium Hypochlorite (CHC)
PMRA Document Number: 1462725

Background and Purpose of Application

Arch Chemicals Inc. has submitted an application for registration of a new domestic grade swimming pool and spa algaecide/bactericide. This product contains calcium hypochlorite as an active ingredient with a guarantee 52.1% available chlorine presents as calcium hypochlorite. Master product status has been requested for this product, Super Sock It. The proposed EP is formulated as a granule for use in USC #29.

Calcium Hypochlorite has recently been re evaluated (PACR2004 42) and is considered acceptable for continued domestic registration provided that the proposed mitigation measures are adopted. For all domestic grade products, the following PPE are recommended: "Rubber gloves should be worn when handling this product." The proposed product label state the following: "Wear goggles or face shield, and use rubber gloves." "Wear protective clothing."

Chemistry Assessment

Super Sock It, is formulated as granules containing calcium hypochlorite at a minimum concentration of 52.1%. This end-use product has a density of 0.85 g/mL and pH of 10 11. The chemistry requirements for Super Sock It are complete.

Health Assessments

The product is of moderate toxicity by the oral route, and is of slight toxicity by the dermal and inhalation routes. Super Sock It is highly corrosive to eyes and skin.

The proposed use of calcium hypochlorite fits within the registered use pattern for domestic algaecides/bactericides. Although the proposed label meets the recommendations from the re evaluation document PACR2004 42, the personal protective equipment recommended were edited for clarity.

The total amount of calcium hypochlorite added for the superchlorination in an average pool is less than the amount added for winterizing or algae control. Therefore, no increase in handler

exposure is anticipated. Recommended residual chlorine concentrations are also consistent with currently registered levels.

References

None.

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