

Evaluation Report for Category B, Subcategory 2.1, 2.4, 3.14 Application

Application Number: 2011-3450
Application: B.2.1 (Product chemistry - guarantee)
B.2.4 (Product chemistry – proportion of formulants)
B.3.14 (Product labels – classifications)
Product: VersaChlor System Chlorinating Tablets
Registration Number: 30669
Active ingredients (a.i.): Calcium hypochlorite (CCH)
PMRA Document Number: 2131931

Purpose of Application

The purpose of this application was to register a new commercial pool and spa product. VersaChlor System Chlorinating Tablets contains the active ingredient calcium hypochlorite.

Chemistry Assessment

VersaChlor System Chlorinating Tablets are solid tablets containing the active ingredient available chlorine, present as calcium hypochlorite, at a nominal concentration of 68.46 %. This product has a density of 1.061 g/cm³ and pH of 10 for a 0.1 % solution in water. The chemistry requirements for VersaChlor System Chlorinating Tablets have been completed.

Health Assessments

The formulation of VersaChlor System Chlorinating Tablets is not expected to present a more hazardous toxicology profile than that of the technical grade active ingredient for this product. The hazard labeling proposed for VersaChlor System Chlorinating Tablets was deemed to be informative of any acute toxicity that may arise following the use of this product.

The use pattern of calcium hypochlorite, in the proposed commercial product, VersaChlor System Chlorinating Tablets, is within the current use pattern for pools for the active ingredient. Therefore, exposure to the calcium hypochlorite in pools is not expected to increase over the exposure from the currently registered product. However, the use in spas may result in an increase in exposure to workers and/or swimmers. Therefore, the spa use was not supported for this product.

Environmental Assessment

An environmental assessment was not required for this application.

Value Assessment

For the use of VersaChlor System Chlorinating Tablets in swimming pool water, no efficacy data were required as the active ingredient, calcium hypochlorite, a registered active ingredient of the type set out in Dir93-05 "Scheduling of selected pool and spa chemicals".

Conclusion

The PMRA has completed an assessment of the available information and is able to support the registration of VersaChlor System Chlorinating Tablets as a new commercial pool product.

References

- 2088818 2011, Applicants Name and Office Address, DACO: 3.1.1
- 2088819 2011, Formulating Plants Name and Address, DACO: 3.1.2 CBI
- 2088820 2011, Trade Name, DACO: 3.1.3
- 2088821 2011, Other Names, DACO: 3.1.4
- 2088822 2011, Description of Starting Materials, DACO: 3.2.1 CBI
- 2088825 2011, Description of the Formulating Process, DACO: 3.2.2 CBI
- 2088826 2011, Discussion of the Formation of Impurities of Toxicological Concern, DACO: 3.2.3 CBI
- 2088827 2011, Establishing Certified Limits, DACO: 3.3.1 CBI
- 2088828 2011, Enforcement Analytical Method, DACO: 3.4.1 CBI
- 2088829 2011, Impurities of Toxicological Concern, DACO: 3.4.2
- 2088830 2011, Colour, DACO: 3.5.1
- 2088831 2011, Physical State, DACO: 3.5.2
- 2088832 2011, Formulation Type, DACO: 3.5.4
- 2088833 2011, Container Material and Description, DACO: 3.5.5
- 2088834 2011, Density or Specific Gravity, DACO: 3.5.6
- 2088835 2011, pH, DACO: 3.5.7
- 2088838 2011, Oxidizing or Reducing Potential, DACO: 3.5.8
- 2088841 2011, Viscosity, DACO: 3.5.9
- 2088843 2011, Storage Stability Data, DACO: 3.5.10 CBI
- 2088845 2011, Flammability, DACO: 3.5.11
- 2088847 2011, Explodability, DACO: 3.5.12
- 2088848 2011, Miscibility, DACO: 3.5.13
- 2088849 2011, Corrosion Characteristics, DACO: 3.5.14 CBI
- 2088851 2011, Dielectric Breakdown Voltage, DACO: 3.5.15
- 2139189 2007, Corrosion Characteristics Study of Calcium Hypochlorite and [CBI REMOVED] Stored 15 Months in [PRIVACY INFO REMOVED] Warehouse, DACO: 3.5.10,3.5.14 CBI
- 2111968 Mode of action (clarifax response), DACO: 10.2.1

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