



Evaluation Report for Category B, Subcategory 2.6 Application

Application Number: 2013-3477
Application: New end-use product chemistry – New combination of technical grade active ingredients
Product: D-Puck Chlorinating Swimming Pool Tablets
Registration Number: 31474
Active ingredients (a.i.): Available chlorine – Present as sodium dichloro-s-triazinetrione (SDL) and trichloro-s-triazinetrione (TSC)
PMRA Document Number: 2448616

Purpose of Application

The purpose of this application was to register a new domestic class end-use product, D-Puck Chlorinating Swimming Pool Tablets, containing a new combination of technical grade active ingredients, to be used in chlorinating tablets for domestic swimming pools (Use Site Category 29). The product is a tablet containing available chlorine present as trichloro-s-triazinetrione and sodium dichloro-s-triazinetrione (guarantee 78.40%).

Chemistry Assessment

D-Puck Chlorinating Swimming Pool Tablet is formulated as a tablet containing available chlorine present as trichloro-s-triazinetrione and sodium dichloro-s-triazinetrione dihydrate at 78.40%. This end-use product has a density of 0.83 g/mL and a pH of 4.8. With the exception of the storage stability and corrosion characteristic study which will be submitted once completed, the chemistry requirements for D-Puck Chlorinating Swimming Pool Tablet have been fulfilled.

Health Assessments

D-Puck Chlorinating Swimming Pool Tablets are of high acute toxicity via the oral route, of low acute toxicity via the dermal route and of moderate acute toxicity via the inhalation route of exposure. They are corrosive to the eyes and skin and are not considered to be a dermal sensitizer.

The use of D-Puck Chlorinating Swimming Pool Tablets is within the currently registered use patterns for available chlorine present as trichloro-s-triazinetrione and sodium dichloro-s-triazinetrione. Therefore, exposure to D-Puck Chlorinating Swimming Pool Tablets is not expected to increase over the exposure from the currently registered products.

Environmental Assessment

An environmental assessment was not required for this application.

Value Assessment

A waiver was requested for the efficacy data requirement by the applicant. The two active ingredients in the end-use product are well known pool sanitizers and are expected to act the same way as the currently registered and scheduled products. It is expected that the D-Puck Chlorinating Swimming Pool Tablets will provide the appropriate chlorine levels and the user will be able to adjust the dosing of the end-use product as needed since the user has to test the water to maintain the appropriate 1-3 ppm of free available chlorine required. The waiver and value of D-Puck Chlorinating Swimming Pool Tablets is acceptable.

Conclusion

The PMRA has completed a review of all available information for D-Puck Chlorinating Swimming Pool Tablets and has found the information sufficient to support the registration of D-Puck Chlorinating Swimming Pool Tablets.

References

PMRA Document Number	Reference
2320581	2012, Efficacy Summary, DACO: 10.2.3.1
2320582	2012, Efficacy: Small-Scale Trials, DACO: 10.2.3.3
2320584	2013, Non-Safety Adverse Effects, DACO: 10.3.2
2327667	2013, Acute Oral Toxicity, DACO: 4.6.1
2327668	2013, Acute Dermal Toxicity, DACO: 4.6.2
2327669	2013, Acute Inhalation Toxicity, DACO: 4.6.3
2327670	2013, Primary Eye Irritation, DACO: 4.6.4
2327671	2013, Primary Dermal Irritation, DACO: 4.6.5
2327672	2013, Dermal Sensitization, DACO: 4.6.6
2327674	1992, EPA Reregistration Eligibility Document (RED) Chlorinated Isocyanurates
2320585	2013, Applicants name and office address, DACO: 3.1.1
2320587	2013, Formulating plants name and address, DACO: 3.1.2
2320588	2013, Trade Name, DACO: 3.1.3
2320589	2013, Other Names, DACO: 3.1.4
2320590	2013, Description of Starting Materials, DACO: 3.2.1 CBI
2320591	2013, Description of the Formulation Process, DACO: 3.2.2 CBI
2320592	2013, Discussion of the formation of impurities of toxicological concern, DACO: 3.2.3
2320593	2013, Establishing Certified Limits, DACO: 3.3.1 CBI
2320594	2013, Enforcement Analytical Method, DACO: 3.4.1 CBI
2320595	2013, Impurities of Toxicological Concern, DACO: 3.4.2 CBI
2320596	2013, Storage Stability Data, DACO: 3.5.10
2320597	2013, Flammability, DACO: 3.5.11
2320598	2013, Explodability, DACO: 3.5.12
2320599	2013, Miscibility, DACO: 3.5.13
2320600	2013, Corrosion Characteristics, DACO: 3.5.14
2320601	2013, Dielectric Breakdown Voltage, DACO: 3.5.15
2320602	2013, Formulation Type, DACO: 3.5.4
2320603	2013, Container Material and Description, DACO: 3.5.5
2320604	2013, Density or Specific Gravity, DACO: 3.5.6
2320605	2013, pH, DACO: 3.5.7
2320606	2013, Oxidizing or Reducing Action (Chemical Incompatibility), DACO: 3.5.8
2320607	2013, Viscosity, DACO: 3.5.9

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