

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

Application Number: 2010-0829
Application: New end-use product - New product chemistry guarantee, identity and proportion of formulants, as well as product label application rate increase.
Product: BioGuard BurnOut3
Registration Number: 30258
Active ingredients (a.i.): Available chlorine (present as calcium hypochlorite)
PMRA Document Number: 2138143

Purpose of Application

The purpose of this application was to register a new domestic end-use swimming pool algaecide/ bactericide product, BioGuard BurnOut3, containing the active ingredient available chlorine (present as calcium hypochlorite). This application is based on the precedent registered product Bioguard Burnout Extream (Registration number 28401).

Chemistry Assessment

BioGuard BurnOut3 is a granular formulation containing available chlorine (present as calcium hypochlorite) at 57.9% nominal. This end-use product has a density of 1.06 – 1.1 g/cm³ and pH of 10.07. The chemistry requirements for BioGuard BurnOut3 are complete.

Health Assessments

BioGuard BurnOut3 is of slight toxicity to rats via the oral and inhalation routes, and of low toxicity via the dermal route. It is corrosive to the eyes and skin of rabbits. It is not a dermal sensitizer in guinea pigs.

A health assessment has been conducted for the registration of a new domestic end-use product, BioGuard BurnOut3, containing 57.9% calcium hypochlorite. It is not expected that exposure to handlers and swimmers will increase over the exposure from the currently registered uses for this active ingredient.

Environmental Assessment

An environmental assessment was not required for this application.

Value Assessment

BioGuard BurnOut3 can be supported based on the precedent product, Bioguard Burnout Extream, as the differences in the formulations are not expected to impact the efficacy. BioGuard BurnOut3 is expected to be effective for use in domestic swimming pools.

Conclusion

The PMRA has completed an assessment of available information for BioGuard BurnOut3 and has found the information sufficient to support full registration.

References

PMRA Document Number	Reference
1868268	Value summary, DACO 10.1, 10.2.1, 10.2.2, 10.2.3.1, 10.2.3.3, 10.3.1, 10.3.2, 5.1, 5.2
1049385	Efficacy of BioGuard BurnOut Extreme against two species of bacteria using the AOAC 965.13 Disinfectant (Water) for Swimming Pools test method. (Laboratory trial for PCP28401), DACO 10.2.3.2
1049386	Non-Safety Adverse Effects (Rationale from the applicant for PCP28401), DACO 10.3.2
1868246	2009, BioGuard BurnOut3 Group A - Product Identity, Composition, and Analysis, DACO: 3.2.1, 3.2.2, 3.3.1, 3.4.1 CBI
1868248	2009, The Chemical and Physical Properties Evaluation of CHEF 3, DACO: 3.5.11,3.5.12,3.5.13 3.5.2, 3.5.6, 3.5.7, 3.5.8 CBI
1868250	2010, Chemical and Physical Properties, DACO: 3.5.15, 3.5.4, 35.5, 3.5.9, 4.6.4 CBI
1972398	2010, One-Year Storage Stability Evaluation of CHEF3, DACO: 3.5.10, 3.5.14 CBI
1868254	2010, Tox Summary (Acutes), DACO: 4.1
1868254	2010, Tox Summary (Acutes), DACO: 4.1
1868256	2009, Acute Oral Toxicity - Up and Down Procedure (UDP), DACO: 4.6.1
1868258	2009, Acute Dermal Toxicity/LD 50 in Rats, DACO: 4.6.2
1868260	2009, Primary Dermal Irritation/Corrosion in rabbits, DACO: 4.6.5
1868263	2009, Guinea Pig Maximization Test (Magnusson-Kligman), DACO: 4.6.6
1868265	2009, Acute Inhalation Toxicity Study of Chef 3 in Albino Rats, DACO: 4.6.3

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