



Evaluation Report for Category B, Subcategory 2.1 Application

Application Number: 2007-5435
Application: New end-use product
Product: Quickchlor RP30HD
Registration Number: 28939
Active ingredients (a.i.): Chlorine Generating Device
PMRA Document Number: 1568764

Purpose of Application

The purpose of this application is to register a new domestic salt water chlorine generator for the control of bacteria and algae in swimming pools. Quickchlor RP30HD produces chlorine by the electrolysis of dissolved salt (NaCl) in the pool water.

Chemistry Assessment

A chemistry assessment was not required.

Health Assessments

A toxicology assessment was not required as exposure is not expected to be increased compared to the currently registered chlorine-generating devices.

A health assessment has been conducted for Quickchlor RP30HD. PMRA is unable to comment on physical hazards associated with the device itself as this is outside the scope of the Health Evaluation Directorate. Generally, the scope of the review for these types of devices is limited to a quantitative or qualitative assessment of exposure to active ingredients. No increase in exposure to both handlers and swimmers is expected from this product compared to other registered products.

Environmental Assessment

An environmental assessment was not required as exposure to the environment is limited with the proper use of this device.

Value Assessment

Efficacy data was submitted to confirm the maximum generation of free available chlorine of Quickchlor RP30HD. The maximum free available chlorine (FAC) generated per day is sufficient (0.72 kg/day), based on the maximum pool volume (165 000 L), to provide FAC residuals within the recommended 1-3 ppm range. The use of Quickchlor RP30HD for use in swimming pools and spas is acceptable.

Conclusion

The PMRA has completed an assessment of available information for Quickchlor RP30HD and has found the information sufficient to allow for full registration of this chlorine generating device.

References

PMRA Document No.	Reference
1455760	2003, Electrical Approval Documents, 3035654-001
1455761	Puresilk, Quickchlor and Clevachlor Efficacy Data.

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