



Evaluation Report for Category B, Subcategory 2.3 Application

Application Number: 2021-2473
Application: Changes to End-use Product (Product Chemistry) – Identity of Formulants
Product: PURATE
Registration Number: 29887
Active ingredient (a.i.): Sodium chlorate
PMRA Document Number: 3383281

Purpose of Application

The purpose of this application was to amend PURATE, a product for use only in a PURATE Chlorine Dioxide Generator to generate chlorine dioxide for microorganism control in recirculating cooling systems, pulp and paper mill process water, and pulp and paper white water influent water.

Chemistry Assessment

PURATE is formulated as a solution containing sodium chlorate at a concentration of 40.0%. This end-use product has a density of 1.377-1.39 g/mL and pH of 1.6-6. The required chemistry data for PURATE have been provided, reviewed and found to be acceptable.

Health Assessments

The changes to the formulation are not expected to affect the toxicity of the proposed product.

Occupational and dietary exposure assessments were not required for this application

Environmental Assessment

The amendment of PURATE does not pose any additional risk to the environment when used according to the label.

Value Assessment

The proposed formulation was compared to the current formulation of the product. The differences were considered minor, which are unlikely to result in any significant impact on product performance. The proposed formulation change was found to be acceptable.

Conclusion

The Pest Management Regulatory Agency has completed an assessment of the information provided and has found it sufficient to support the amendment of PURATE.

References

PMRA Document Number	Reference
3235969	2021, PURATE pH Formulation 7.1, DACO: 3.5.7 CBI
3235970	2021, [CBI Removed] composition, DACO: 3.2.1 CBI

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