

## Evaluation Report for Category B, Subcategory 2.1, 2.3, 2.4, 2.5 Application

**Application Number:** 2015-7064  
**Application:** New EP Product Chemistry-Guarantee, New EP Product Chemistry-Identity of Formulants, New EP Product Chemistry-Proportion of Formulants, New EP Product Chemistry-Formulation Type  
**Product:** EZ Block  
**Registration Number:** 32653  
**Active ingredients (a.i.):** N-alkyl (40% C<sub>12</sub>, 50% C<sub>14</sub>, 10% C<sub>16</sub>) dimethyl benzyl ammonium chloride  
**PMRA Document Number:** 2735403

### Purpose of Application

The purpose of this application was to register a new a new domestic swimming pool algacide, with a new formulation type (puck).

### Chemistry Assessment

EZ Block is formulated as a tablet containing N-alkyl (40% C<sub>12</sub>, 50% C<sub>14</sub>, 10% C<sub>16</sub>) dimethyl benzyl ammonium chloride at a nominal concentration of 70%. This end-use product has a density of 2.22 g/cm<sup>3</sup> and pH of 7.8. The required chemistry data for EZ Block have been provided, reviewed and found to be acceptable.

### Health Assessments

Based on the available information, EZ Block is considered to be highly acutely toxic via the oral route of exposure, slightly acutely toxic via the dermal route and moderately acutely toxic via the inhalation route of exposure. EZ Block is corrosive to the skin and eyes of rabbits, but it is not considered to be a dermal sensitizer.

The use of EZ Block is within the currently registered use patterns for the active ingredient. Therefore, exposure to EZ Block 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**

Value information was provided to demonstrate the dissolution rate of the EZ Block pucks which showed that the concentration of active ingredient is at its highest between 4 and 24 hours at 1.5 ppm. Since N-Alkyl (40% C12, 50% C14, 10% C16) Dimethyl Benzyl Ammonium Chloride is a known algaecide and EZ Block pucks must be used in conjunction with a sanitizer, which will also control algae, the dissolution rate of the puck is not expected to have an impact on the value of the product.

## **Conclusion**

The Pest Management Regulatory Agency has completed an assessment of the information provided and is able to support the registration of the new end-use product, EZ Block.

## References

PMRA Document Number	Reference
2605218	2016, N/A, DACO: 10.2.3.2 Essai d'efficacité à petite échelle
2594969	2015, formulant toxicity information, DACO: 4.6.6, 4.8
2594939	2015, APPLICANT'S NAME AND OFFICE ADDRESS, DACO: 3.1.1 CBI
2594940	2015, FORMULATING PLANT'S NAME AND ADDRESS, DACO: 3.1.2 CBI
2594941	2015, TRADE NAME, DACO: 3.1.3 CBI
2594942	2015, OTHER NAMES, DACO: 3.1.4 CBI
2594943	2015, DESCRIPTION OF STARTING MATERIALS, DACO: 3.2.1 CBI
2594944	2015, DESCRIPTION OF THE FORMULATION PROCESS, DACO: 3.2.2 CBI
2594945	2015, DISCUSSION OF THE FORMATION OF IMPURITIES OF TOXICOLOGICAL CONCERN, DACO: 3.2.3 CBI
2594946	2015, ESTABLISHING CERTIFIED LIMITS, DACO: 3.3.1 CBI
2594947	2015, ENFORCEMENT ANALYTICAL METHOD, DACO: 3.4.1 CBI
2594948	2015, COLOUR, DACO: 3.5.1 CBI
2594949	2015, PHYSICAL STATE, DACO: 3.5.2 CBI
2594950	2015, ODOUR, DACO: 3.5.3 CBI
2594951	2015, FORMULATION TYPE, DACO: 3.5.4 CBI
2594952	2015, CONTAINER MATERIAL AND DESCRIPTION, DACO: 3.5.5 CBI
2594953	2015, DENSITY OR SPECIFIC GRAVITY, DACO: 3.5.6 CBI
2594954	2015, pH, DACO: 3.5.7 CBI
2594955	2015, OXIDIZING OR REDUCING ACTION (CHEMICAL INCOMPATIBILITY), DACO: 3.5.8 CBI
2594956	2015, VISCOSITY, DACO: 3.5.9 CBI
2594957	2015, STORAGE STABILITY DATA, DACO: 3.5.10 CBI
2594958	2015, FLAMMABILITY, DACO: 3.5.11 CBI
2594959	2015, EXPLODABILITY, DACO: 3.5.12 CBI
2594960	2015, MISCIBILITY, DACO: 3.5.13 CBI
2594961	2015, CORROSION CHARACTERISTICS, DACO: 3.5.14 CBI
2594962	2015, DIELECTRIC BREAKDOWN VOLTAGE, DACO: 3.5.15 CBI
2708820	2016, Manufacturing process, DACO: 3.2.2 CBI
2708821	2016, Stability Study 1 year, DACO: 3.5.10 CBI

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