



Evaluation Report for Category B, Subcategory 1.1 Application

Application Number: 2013-2853
Application: Changes TGA1 product chemistry – new source (site) same registrant
Product: BTC 776 Concentrated Germicide
Registration Number: 25291
Active ingredients (a.i.): n-Alkyl (5%C₁₂, 60%C₁₄, 30%C₁₆, 5%C₁₈) dimethyl benzyl ammonium chloride
PMRA Document Number : 2458806

Purpose of Application

The purpose of this application was to update the manufacturing site information by adding a new site to the currently registered product BTC 776 Concentrated Germicide.

Chemistry Assessment

Common Name: No ISO approved common name
IUPAC Chemical Name: n-Alkyl (5%C₁₂, 60%C₁₄, 30%C₁₆, 5%C₁₈) dimethyl benzyl ammonium chloride
CAS Chemical Name: Quaternary ammonium compounds, benzyl-C12-18-alkyldimethyl, chlorides

BTC 776 Concentrated Germicide has the following properties:

Property	Result
Colour and physical state	Light amber liquied
Nominal guarantee	n-Alkyl (5%C ₁₂ , 60%C ₁₄ , 30%C ₁₆ , 5%C ₁₈) dimethyl benzyl ammonium chloride at 50.0%
Odour	Characteristic, fatty amine
Density	0.96 g/mL at 25°C
pH	6.5-8.5 (10% aqueous solution)
Solubility in water at 20°C	Completely soluble
n-Octanol/water partition coefficient	Not applicable, insoluble in organic solvents.

The chemistry requirements for BTC 776 Concentrated Germicide have been fulfilled.

Health, Environmental and Value Assessments

Health, environmental and value assessments were not required with this application.

Conclusion

The Pest Management Regulatory Agency has completed an assessment of the information provided in support of the product BTC 776 Concentrated Germicide and has found the information sufficient to update the manufacturing site information by adding a new site to the currently registered product.

References

PMRA Document Number	References
2309561	Batch Data, DACO: 2.13.3 CBI
2319421	2008, Product Chemistry Data BTC 776 with Raw Material MSDSs, DACO: 2.11.1, 2.11.2, 2.11.3, 2.11.4, 2.12.1, 2.13.1, 2.13.2 CBI
2439383	2014, Description of Starting Materials and Detailed Production Process, DACO: 2.11.2, 2.11.3 CBI
2439385	2009, Product Chemistry Testing for 5 Lot Preliminary Analysis, DACO: 2.13.1, 2.13.3 CBI
2439386	2014, Impurities of Human Health or Environmental Concern, DACO: 2.13.4 CBI
2439388	2008, [CBI REMOVED] MSDS, DACO: 2.13.4 CBI
2439391	2014, Canadian PMRA: BTC 776 Boiling Point Determination for Reregistration, DACO: 2.14.5 CBI
2457068	2014, Canadian PMRA: Examination of BTC 776 Linearity Study, DACO: 2.13.1 CBI
2457070	2014, Batch Data Information, DACO: 2.13.3 CBI

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