

Evaluation Report for Category B, Subcategory 4.6 Application

Application Number: 2017-0506
Application: Submission to fulfill requirements of registration on a product with full registration
Product: Bardac 208 M
Registration Number: 21726
Active ingredients (a.i.): Octyl decyl dimethyl ammonium chloride, Didecyl dimethyl ammonium chloride, Dioctyl dimethyl ammonium chloride, N-alkyl (40% C12, 50% C14, 10% C16) dimethyl benzyl ammonium chloride
PMRA Document Number : 2761004

Purpose of Application

The purpose of this application was to fulfill the outstanding chemistry requirement for Bardac 208 M by providing an updated specification form.

Chemistry Assessments

Common Name: octyl decyl dimethyl ammonium chloride
 dioctyl dimethyl ammonium chloride
 didecyl dimethyl ammonium chloride
 n-alkyl (40% C12, 50% C14, 10% C16) dimethyl benzyl ammonium chloride
CAS† Chemical Name: 1-decanaminium, N,N-dimethyl-N-octyl-, chloride (1:1)
 1-decanaminium, N-decyl-N,N-dimethyl-, chloride (1:1)
 1-octanaminium, N,N-dimethyl-N-octyl-, chloride (1:1)
 Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides

† Chemical Abstracts Service

Bardac 208 M has the following properties:

Property	Result
Colour and physical state	Clear pale yellow to straw liquid
Concentration	octyl decyl dimethyl ammonium chloride 24% dioctyl dimethyl ammonium chloride 9.6% didecyl dimethyl ammonium chloride 14.4% n-alkyl (40% C12, 50% C14, 10% C16) dimethyl benzyl ammonium chloride 32%

Property	Result
Odour	Mild
Relative density	0.912 at 25°C
pH	6.5 – 9.0
Solubility in water	Miscible

The required chemistry data for Bardac 208 M have been provided, reviewed, and found to be acceptable.

Health, Environmental and Value Assessment

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

Conclusion

The Pest Management Regulatory Agency has completed an assessment of the information provided for Bardac 208 M and has determined it sufficient to fulfill the outstanding chemistry requirement.

References

None

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