



## Evaluation Report for Category B, Subcategory 3.13 Application

**Application Number:** 2018-3127  
**Application:** Changes to Product Label - Precaution  
**Product:** MAQUAT MQ624M-CN  
**Registration Number:** 25409  
**Active ingredients (a.i.):** Alkyl (40% C<sub>12</sub>, 50% C<sub>14</sub>, 10% C<sub>16</sub>) dimethyl benzyl ammonium chloride, Octyl decyl dimethyl ammonium chloride, Dioctyl dimethyl ammonium chloride, Didecyl dimethyl ammonium chloride  
**PMRA Document Number :** 3017850

### Purpose of Application

The purpose of this application was to amend the manufacturing concentrate, MAQUAT MQ624M-CN, by updating some of the physical/chemical properties, adding an alternative manufacturing site and amending the precautions section on the product label.

### Chemistry Assessment

MAQUAT MQ624M-CN is formulated as a solution containing alkyl (40% C<sub>12</sub>, 50% C<sub>14</sub>, 10% C<sub>16</sub>) dimethyl benzyl ammonium chloride at 32.0%, octyl decyl dimethyl ammonium chloride at 24.0%, dioctyl dimethyl ammonium chloride at 12.0% and didecyl dimethyl ammonium chloride at 12.0%. This manufacturing concentrate has a density of 0.91 - 0.93 g/mL and pH of 8.79. The required chemistry data for MAQUAT MQ624M-CN have been provided, reviewed and found to be acceptable.

### Health Assessments

The updates to the product's physical/chemical properties do not impact the acute toxicological profile of MAQUAT MQ624M-CN.

Exposure assessments were not required for this application.

### Environmental and Value Assessments

Environmental and value assessments were not required for this application.

### Conclusion

The Pest Management Regulatory Agency has completed an assessment of the information provided and has determined that the amendments to MAQUAT MQ624M-CN to update some of the physical/chemical properties, add an alternative manufacturing site and amend the precautions section on the product label are acceptable.

## References

### PMRA Document Number

### References

2904087 2016, Product Properties of Maquat MQ624M - Group B, DACO:  
3.5.1,3.5.10,3.5.11,3.5.12,3.5.13,3.5.14,3.5.2,3.5.3,3.5.6,3.5.7,3.5.8,3.5.9 CBI

ISSN: 1911-8082

© Her Majesty the Queen in Right of Canada, represented by the Minister of Public Works and Government Services  
Canada 2019

All rights reserved. No part of this information (publication or product) may be reproduced or transmitted in any form or by any means, electronic, mechanical photocopying, recording or otherwise, or stored in a retrieval system, without prior written permission of the Minister of Public Works and Government Services Canada, Ottawa, Ontario K1A 0S5.