

Evaluation Report for Category B, Subcategory 3.1, 3.4, 3.14 Application

Application Number: 2019-2065
Application: B.3.1: New or Changes to Product Labels-Application Rate Increase or Decrease
B.3.4: New or Changes to Product Labels-Application Method
B.3.14: New or Changes to Product Labels-Precautions
Product: Maquat 1010N-25-12CN
Registration Number: 31495
Active ingredients (a.i.): Glutaraldehyde and Didecyl dimethyl ammonium chloride
PMRA Document Number : 3135951

Purpose of Application

The purpose of this application was to amend the use directions, rates, precautions and first aid sections of the label for the Maquat 1010N-25-12CN.

Chemistry Assessment

Chemistry assessment was not required for this application.

Health Assessments

The amended Precautions and First Aid sections of the Maquat-1010N-25-12CN label are considered acceptable.

The use of MAQUAT 1010N-25-12CN to control sulfate-reducing bacteria and prevent the growth of slime forming bacteria is not expected to result in potential occupational or bystander exposure over the registered use of Glutaraldehyde and Didecyl dimethyl ammonium chloride. No health risks of concern are expected when workers follow label directions and wear personal protective equipment as stated on the label.

Environmental Assessment

The use pattern for Maquat 1010-25-12CN falls within the currently registered use patterns for didecyl dimethyl ammonium chloride and glutaraldehyde. No additional risk to the environment is expected from the use of this product provided that environmental label statements are followed.

Value Assessment

An increase in the maximum application rate for water floods and frac fluids, resulting in a wider application rate range would afford greater flexibility to achieve microbial control in a shorter timeframe, and to manage heavily fouled fluids, which may in turn result in

fewer total applications.

Use history information and existing efficacy data, demonstrated that the increase in maximum application rate for water floods to 2500 ppm, and for frac fluids to 1500 ppm have acceptable value.

Conclusion

The PMRA has reviewed the information provided to support the amendments to the Maquat 1010N-25-12CN label. Based on the results of this review, the amendments are acceptable for registration.

References

| | |
|---------|--|
| 2220603 | Efficacy Studies of Maquat 1010N-25:12, DACO: 10.2.3.2 |
|---------|--|

© Her Majesty the Queen in Right of Canada, as represented by the Minister of Health Canada, 2021

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 Health Canada, Ottawa, Ontario K1A 0K9.