

Evaluation Report for Category B, Subcategory 3.12 Application

Application Number: 2011-5238, 2011-5273, 2011-5274, 2011-5275
Application: Changes to Product Labels: New Site
Product: Maquat 4450-CT, Maquat 4450-CTE, Maquat 4450-CTI, Maquat 4450-CTM
Registration Number: 29199, 29914, 29913, 29915
Active ingredients (a.i.): Didecyl dimethyl ammonium chloride
PMRA Document Number: 2201204

Purpose of Application

Maquat 4450-CT (Registration number 29199), Maquat 4450-CTE (Registration number 29914), Maquat 4450-CTI (Registration number 29913), and Maquat 4450-CTM (Registration number 29915) are registered for the control of algae and bacterial slimes found in recirculating cooling tower waters and oil field water flood or salt water disposal systems. The purpose of these four applications was to add a new use, workover fluids, which fall under the current use site category (USC 17).

Chemistry and Environmental Assessments

Chemistry and environmental assessments were not required for these applications.

Health Assessments

The changes to the product label do not impact the toxicological profile of the product.

A risk assessment for both dermal and inhalation exposures has been conducted for these four water treatment microbiocides. When used according to label directions, no human health concerns are expected for both handlers and re-entry workers.

Value Assessment

One laboratory trial was provided to support the addition of workover fluids as a new use-site where the product could be used. This trial has used representative challenge media (e.g. salt water, fracture fluid) to evaluate if the proposed label rates were effective at controlling sulfate-reducing and acid-producing bacteria. As the product is currently registered for a similar use with the same pest problem, operational trials were not required. The data provided demonstrated that the proposed product is effective for this new use.

Conclusion

Following the review of the application the new use, workover fluids, has been approved on the labels of Maquat 4450-CT, Maquat 4450-CTE , Maquat 4450-CTI, and Maquat 4450-CTM.

References

PMRA

Document Number

Reference

2121631	2011, Laboratory efficacy testing of Maquat 4450-CT against bacteria DACO 10.2.3.2
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