



Evaluation Report for Category B, Subcategory 2.3 Application

Application Number: 2009-3920
Application: B.2.3 - New EP A Product Chemistry-Identity of Formulants
Product: Maquat 4450-CTM
Registration Number: 29915
Active ingredients (a.i.): Didecyl Dimethyl Ammonium Chloride
PMRA Document Number : 1828419

Purpose of Application

The purpose of this application was to register a new end-use product, Maquat 4450-CTM, which involves minor formulation changes to the currently registered Maquat 4450-CT (Registration Number 29199).

Chemistry Assessment

Maquat 4450-CTM is a solution containing the active ingredient didecyl dimethyl ammonium chloride at a minimum concentration of 50%. This product has a relative density of 0.855 and pH of 6.38. The chemistry requirements for Maquat 4450-CTM have been completed.

Health Assessments

The formulation of Maquat 4450-CTM does not reveal a toxicological profile outside of what is currently registered in Canada.

A health assessment has been conducted for the amendment of the Maquat 4450-CTM formulation, containing 50% didecyl dimethyl ammonium chloride. It is not expected that exposure to mixer/loader/applicator and post-application workers will increase over the exposure from currently registered uses.

Environmental Assessment

An environmental assessment was not conducted because no additional environmental data were required to support the registration of Maquat 4450-CTM. As methyl alcohol is a List 3 formulant, the PMRA does not consider the proposed formulation change of water to methyl alcohol to pose an increased risk to the environment.

Value Assessment

A new value assessment was not required as didecyldimethyl ammonium chloride is currently registered for use in cooling towers and oil field water flood systems, at the same label rates as Maquat 4450 CTM. The differences in formulation of Maquat 4450 CTM compared to the registered product Maquat 4450 CT, are not expected to have an impact on the efficacy of the product.

Conclusion

The PMRA has completed an assessment of all available information and was able to support to registration of Maquat 4450-CTM.

References

- 1806215 2009, Product and applicant identification, DACO: 3.1.1,3.1.2
- 1806216 2009, DACO 3.2.1, 3.3.1, 3.4.1, DACO: 3.2.1,3.3.1,3.4.1 CBI
- 1806217 2007, Physical and Chemical characteristics of Maquat 4450-CT, DACO: 3.5.11,3.5.6,3.5.7,3.5.8,3.5.9 CBI
- 1806218 2008, Physical and Chemical characteristics of Maquat 4450-CT, DACO: 3.5.10,3.5.14 CBI
- 1806219 2009, DACO 3.5.12, 3.5.13, 3.5.15, DACO: 3.5.12,3.5.13,3.5.15 CBI
- 1847319 2009, Physical and Chemical Characteristics of Maquat 4450-CTM: Physical State, Flammability, pH, Viscosity and Relative Density, DACO: 3.5.11,3.5.2,3.5.6,3.5.7,3.5.9
- 1847320 2009, 3 Month Storage Stability and Corrosion Characteristics, OPPTS Test Guidelines, Series 830, Product Properties: 830.6317 and 830.6320, DACO: 3.5.11,3.5.14
- 1847318 2010, Clarification Response, DACO: 0.8.1

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