



Evaluation Report for Category B, Subcategory 2.1 Application

Application Number: 2016-6759
Application: New / Changes EP or MA Product Chemistry-Guarantee
Product: Maquat MC1412-PS80
Registration Number: 32942
Active ingredient (a.i.): N-alkyl (40% C₁₂, 50% C₁₄, 10% C₁₆) dimethyl benzyl ammonium chloride
PMRA Document Number: 2826370

Purpose of Application

The purpose of this application was to register a new end-use product, Maquat MC1412-PS80, for use as a slimicide and molluscicide in cooling water systems.

Chemistry Assessment

Maquat MC 1412-PS80 is formulated as a solution containing N-alkyl (40% C₁₂, 50% C₁₄, 10% C₁₆) dimethyl benzyl ammonium chloride at a nominal concentration of 80%. This end-use product has a specific gravity of 0.92 and pH of 6-8. The required chemistry data for Maquat MC 1412-PS80 have been provided reviewed and found to be acceptable.

Health Assessments

Maquat MC1412-PS80 is highly acutely toxic to rats via the oral route of exposure, and is of low acute toxicity to rats following dermal exposure. It is not expected to pose an acute inhalation hazard. Maquat MC1412-PS80 is extremely irritating and corrosive to the eyes and skin of rabbits. It is not a dermal sensitizer in guinea pigs.

A food residue assessment was not required for this application.

Use of Maquat MC1412-PS80 does not result in risk to human health provided the label directions and precautionary statements are followed.

Environmental Assessment

An environmental assessment was not required for this application.

Value Assessment

No value information was required to be submitted in support of the registration of Maquat MC1412-PS80 as the company was relying on one of its own precedent products.

Conclusion

The Pest Management Regulatory Agency has completed an assessment of the information provided, and has found the information sufficient to support the registration of Maquat MC1412-PS80.

References

PMRA Document Number	Reference
2693093	2016, Chemistry, DACO: 3.1, 3.1.1, 3.1.2, 3.1.3, 3.5.13, 3.5.15, 3.5.4, 3.5.5, 3.5.8, 4.6.3 CBI
2693094	2004, Preliminary Analysis, DACO: 3.3.1,3.4.1 CBI
2693095	2016, Product Chemistry of Maquat MC1412-80E - Group A, DACO: 3.2,3.2.1,3.2.2,3.3.1,3.4.1 CBI
2693096	1997, 12 Month Storage, DACO: 3.5.14 CBI
2693097	2016, Toxicology Summaries, DACO: 4.1,4.6.3
2693098	2004, Acute Oral Toxicity Study of Maquat MC1412-80E, DACO: 4.6.1
2693099	1981, Acute Oral LD50 Study in Rats, DACO: 4.6.1
2693100	2004, Acute Dermal Toxicity Study of Maquat MC1412-80%E, DACO: 4.6.2
2693101	2004, Acute Eye Irritation Study of Maquat MC1412-80%E, DACO: 4.6.4
2693102	2004, Acute Skin Irritation Study of Maquat MC1412-80%E, DACO: 4.6.5
2693103	2004, Skin Sensitization Study of Maquat MC1412-80%E, DACO: 4.6.6
2805550	2017, Letter Outlining Basic Study Information Requested in Clarification, DACO: 4.6.6
2812475	2017, Maquat MC1412-PS80 Physical and Chemical Characteristics - Vapour Pressure, DACO: 2.14.9 CBI
2816234	2017, Maquat MC1412-PS80 Physical and Chemical Characteristics - Vapour Pressure, DACO: 2.14.9 CBI

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