

Evaluation Report for Category B, Subcategory 2.1, 2.3, 2.4 Application

Application Number: 2016-6113

Application: New EP Product Chemistry - Guarantee, Identity of Formulants, Proportion of Formulants

Product: Troyguard IP06

Registration Number: 33103

Active ingredients (a.i.): 3-iodo-2-propynyl butyl carbamate

PMRA Document Number : 2834547

Purpose of Application

The purpose of this application was to register Troyguard IP06, a new commercial fungicide for use as a material preservative.

Chemistry Assessment

Troyguard IP06 is formulated as a solution containing 3-iodo-2-propynyl butyl carbamate at a concentration of 6.1%. This end-use product has a density of 1.2185 g/mL and pH of 5.21. The required chemistry data for Troyguard IP06 have been provided, reviewed and found to be acceptable.

Health Assessments

Troyguard IP06 is of low acute toxicity via the oral, dermal, and inhalation routes of exposure. It is minimally irritating to the eyes and skin, and is not a dermal sensitizer.

The occupational and residential exposure risk from the use of Troyguard IP06 as an antimicrobial preservative in household cleaning products was assessed. No risks of concern are expected from the new use, provided workers follow the label directions and wear the personal protective equipment identified on the label.

Environmental Assessment

An environmental assessment was not required for this application.

Value Assessment

Laboratory trials were conducted to evaluate the ability of Troyguard IP06 to protect a number of different materials (i.e., laundry detergent, all-purpose cleaner, car polish, dishwashing liquid, fabric softener, stain remover, tire shine and wet wipes) from fungal growth. The value information demonstrated that Troyguard IP06 is effective at controlling fungal growth in a variety of household cleaning products, detergents and soft soaps at rates ranging from 0.1 to 1.0%.

Conclusion

The PMRA has conducted an assessment of the information available to support this application and has determined that registration of Troyguard IP06 as a fungicide for use as a material preservative can be supported.

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