

Evaluation Report for Category B, Subcategory 3.12 Application

Application Number: 2019-1085
Application: Changes to Product Labels - New Sites or Host
Product: Troyguard B20W
Registration Number: 33916
Active ingredient (a.i.): 1,2-benzisothiazolin-3-one
PMRA Document Number: 3150518

Purpose of Application

The purpose of this application was to register Troyguard B20W, a new preservative for use in liquid laundry detergents, fabric softeners, all-purpose cleaners, car polish, tire shine, dishwashing liquid, stain removers, and wet wipes.

Chemistry and environmental Assessments

Chemistry and environmental assessments were not required for this application.

Health Assessments

Troyguard B20W is considered to be of low acute toxicity via the oral and dermal routes, and of slight acute toxicity via the inhalation route. Troyguard B20W is considered to be corrosive to the eye and moderately irritating to the skin, but not a dermal sensitizer.

The use of Troyguard B20W in listed aqueous cleaning products is not expected to result in potential occupational, residential or bystander exposure over the registered use of 1,2-benzisothiazolin-3-one except for use as ready-to-use wipes and as a laundry preservative in a domestic scenario. Quantitative risk assessments for residential handlers was conducted for use as ready-to-use wipes and as a laundry preservative. Also, postapplication exposures from laundered clothing to adults and children were estimated. No risks of concern were identified provided that the label directions are followed and workers wear the required personal protective equipment identified on the label in industrial settings.

A food residue assessment was not required for this application.

Value Assessment

Laboratory studies were conducted to evaluate the ability of Troyguard B20W to protect a number of different aqueous solution samples. The studies were conducted with various generic versions of each solution and used bacterial and fungal inoculum simulating real-life contamination possibilities. The data demonstrated that Troyguard B20W is effective against bacterial and fungal growth under representative use conditions.

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 Troyguard B20W.

References

PMRA Document Number	References
3042702	2019, Troyguard B20W Sub 2019-1085 Scientific Rationale Response, DACO: 4.6.4,4.6.5 CBI
2973056	2016, DACO 10.2 Troyguard B20W - Efficacy Studies, DACO: 10.2,10.2.1,10.2.3,10.2.3.1,10.2.3.2
2973057	2014, Antibacterial Activity of Troyguard B20W in a Laundry Detergent, DACO: 10.2.3.4(A)
2973058	2015, Antifungal Activity of Troyguard B20W in a Laundry Detergent, DACO: 10.2.3.4(A)
2973059	2015, Antibacterial Activity of Troyguard B20W in a All Purpose Cleaner, DACO: 10.2.3.4(A)
2973060	2015, Antifungal Activity of Troyguard B20W in an All Purpose Cleaner, DACO: 10.2.3.4(A)
2973063	2015, Antibacterial Activity of Troyguard B20W in a Car Polish, DACO: 10.2.3.4(A)
2973064	2015, Antifungal Activity of Troyguard B20W in Car Polish, DACO: 10.2.3.4(A)
2973065	2014, Antifungal Activity of Troyguard B20W in A Dishwashing Liquid, DACO: 10.2.3.4(A)
2973066	2015, Antibacterial Activity of Troyguard B20W in a Dishwashing Liquid, DACO: 10.2.3.4(A)
2973067	2015, Antifungal Activity of Troyguard B20W in a Fabric Softener, DACO: 10.2.3.4(A)
2973068	2015, Antibacterial Activity of Troyguard B20W in a Fabric Softener, DACO: 10.2.3.4(A)
2973069	2015, Antifungal Activity of Troyguard B20W in a Tire Shine, DACO: 10.2.3.4(A)
2973070	2015, Antibacterial Activity of Troyguard B20W in a Tire Shine, DACO: 10.2.3.4(A)
2973071	2015, Antifungal Activity of Troyguard B20W in a Stain Remover, DACO: 10.2.3.4(A)
2973072	2014, Antibacterial Activity of Troyguard B20W in a Stain Remover, DACO: 10.2.3.4(A)
2973073	2015, Antifungal Activity of Troyguard B20W in Wet Wipes, DACO: 10.2.3.4(A)
2973074	2015, Antibacterial Activity of Troyguard B20W in Wet Wipes, DACO: 10.2.3.4(A)

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