



Evaluation Report for Category B, Subcategory 2.3 Application

Application Number: 2021-6656
Application: Changes to End Use Product Chemistry-Identity of Formulants
Product: Frontiersman Xtra Bear Attack Deterrent
Registration Number: 28410
Active ingredients (a.i.): capsaicin and related capsaicinoids
PMRA Document Number: 3452425

Purpose of Application

The purpose of this application was to amend the maximum deployment distance of the registered product Frontiersman Xtra Bear Attack Deterrent from 9-10.5 m to 12.2 m. Frontiersman Xtra Bear Attack Deterrent is a restricted class product used to deter bears from attacking humans.

Chemistry Assessment

Frontiersman Xtra Bear Attack Deterrent is formulated as a pressurized product containing capsaicin at a nominal concentration of 1.0% and related capsaicinoids at a nominal concentration of 0.84%. This end-use product has a density of 0.9878 g/cm³ and a pH of 4.5. The chemistry requirements for this product have been fulfilled.

Health Assessments

Frontiersman Xtra Bear Attack Deterrent is of low acute oral toxicity, is irritating to the skin, eyes, and upper respiratory tract, and is a potential sensitizer.

User and bystander exposure is not expected to result in health risks of concern when the product is used according to label directions.

A dietary exposure assessment was not required for this application.

Environmental Assessment

The changes to the use and formulation of Frontiersman Xtra Bear Attack Deterrent are not expected to lead to any additional risks to the environment.

Value Assessment

A submitted outdoor study supported the increased maximum deployment distance of Frontiersman Xtra Bear Attack Deterrent to 12.2 m. This increased maximum

deployment distance will provide users with a product that will reach greater distances than previously obtained, which is a benefit in an encounter with a bear.

Conclusion

The Pest Management Regulatory Agency has completed an assessment of the information provided, and has found the information acceptable to amend the maximum deployment distance of Frontiersman Xtra Bear Attack Deterrent from 9-10.5 m to 12.2 m.

References

PMRA

Document

Number

Reference

3303973	2021, DACO 5.2 Use Description Scenario (Application and Post-application) for Frontiersman Xtra Bear Attack Deterrent, DACO: 5.2
3303970	2021, CFBAD and CFBAD Xtra Distance Improvement, DACO: 10.2.3.3
3303974	2021, Value Summary For Frontiersman Xtra Bear Attack Deterrent, DACO: 10.1,10.2,10.2.3.1
3369915	2022, CFBAD and CFBAD Xtra Distance Improvement, DACO: 10.2

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