

Evaluation Report for Category B, Subcategory 3.4 Application

Application Number: 2014-0320
Application: New or Changes to Product Labels – application method
Product: Avon Skin-So-Soft SSS Bug Guard Plus Icaridin Insect Repellent Towelettes
Registration Number: NA
Active ingredients (a.i.): Icaridin (PPD)
PMRA Document Number : 2405494

Purpose of Application

The purpose of this application was to register a new end-use product (an impregnated towelette) based on a precedent spray product from the same registrant (PCPA Reg. #30153), where the liquid spray is used to impregnate the towelette.

Chemistry Assessment

Avon Skin-So-Soft SSS Bug Guard Plus Icaridin Insect Repellent Towelettes is formulated as an impregnated fabric containing icaridin at a nominal concentration of 10% (equivalent to 1.1 g of icaridin per towelette). The liquid used on the towelettes has a relative density of 0.87 – 0.93 and pH of 6.75 – 7.75 (10% dilution). The chemistry requirements for Avon Skin-So-Soft SSS Bug Guard Plus Icaridin Insect Repellent Towelettes have been fulfilled.

Health Assessments

Avon Skin-So-Soft SSS Bug Guard Plus Icaridin Insect Repellent Towelettes are impregnated with a formulation which is considered to be of low toxicity to rats via the oral ($LD_{50} > 2000$ mg/kg bw), dermal ($LD_{50} > 4000$ mg/kg bw), and inhalation routes ($LC_{50} > 5.943$ mg/L). The formulation is considered to be moderately irritating to the eye and non-irritating to the skin of rabbits and is not considered to be a dermal sensitizer in guinea pigs.

The exposure and risk to individuals applying Avon Skin-So-Soft SSS Bug Guard Plus Icaridin Insect Repellent Towelettes was assessed. No risks of concern are expected from the use, provided individuals follow the label directions.

Environmental Assessment

An environmental assessment was not required for this application.

Value Assessment

The insect repellent claims of Avon Skin So Soft Bug Guard Plus Icaridin Insect Repellent

Towelettes are identical to those of a precedent product. The use instructions of the two products are also comparable, with the only difference being that the product is applied via towelette rather than spray. The formulations of the icaridin solution in the spray and the impregnated towelettes are similar and the delivery of the icaridin solution to the skin via impregnated towelettes will be comparable to that of the spray. Therefore, based on the previously conducted review of the precedent product, use of Avon Skin So Soft Bug Guard Plus Icaridin Insect Repellent Towelettes is supported for 5h of protection against mosquitoes and 7h of protection against deer ticks.

Conclusion

The Pest Management Regulatory Agency has completed an assessment of the information provided in support of the product, Avon Skin So Soft Bug Guard Plus Icaridin Insect Repellent Towelettes, and has found the information sufficient to register this product.

References

PMRA Document Number	Reference
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2431629	2004, Avon Products Analytical Methods APAM 9.522-1, DACO: 3.4.1 CBI
2431630	2014, Extraction method, DACO: 3.4.1 CBI
2431631	2014, C of A with Corresponding GC Chromatographs, DACO: 3.4.1 CBI
2481302	2014, Description of Icaradin-containing liquid is on wipe, DACO: 3.2.2 CBI
2481303	2014, Analyzed Wipe with supporting chromatograms, DACO: 3.4.1 CBI
2495413	2015, Updated Method with Chromatograms, DACO: 3.4.1 CBI
1510988	2005, Acute toxicity in the rat after oral administration, DACO: 4.6.1
1510989	2005, Acute toxicity in the rat after dermal application, DACO: 4.6.2
1510990	2005, Acute Inhalation Toxicity in Rats, DACO: 4.6.3
1510996	2005, Acute Eye Irritation on Rabbits, DACO: 4.6.4
1510997	2005, Acute Skin Irritation/Corrosion on Rabbits, DACO: 4.6.5
1511000	2005, Study For The Skin Sensitization Effect In Guinea Pigs, DACO: 4.6.6
2409268	2012, U.S. EPA Standard Operating Procedures for Residential Pesticide Exposure Assessment. EPA: Washington, DC. Revised October 2012

ISSN: 1911-8082

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