



## Evaluation Report for Category B, Subcategory 2.2 Application

**Application Number:** 2017-2603  
**Application:** Changes to End-Use Product Chemistry – Form of Technical Active Ingredient  
**Product:** Saltidin Icaridin Insect Repellent Cream  
**Registration Number:** 33410  
**Active ingredient (a.i.):** Icaridin  
**PMRA Document Number :** 2966775

### Purpose of Application

The purpose of this application was to register a new personal insect repellent cream, containing the active ingredient, icaridin, for protection from mosquitos, ticks and blackflies.

### Chemistry Assessment

Saltidin Icaridin Insect Repellent Cream is formulated as an emulsifiable concentrate containing icaridin at a concentration of 20%. This end-use product has a density of 0.984-1.004 g/mL and pH of 4.9-6.4. The required chemistry data for Saltidin Icaridin Insect Repellent Cream have been provided, reviewed and found to be acceptable.

### Health Assessments

Saltidin Icaridin Insect Repellent Cream is of low acute toxicity to rats via the oral and dermal routes of exposure, is mildly irritating to the eyes and non-irritating to the skin of rabbits, and is not considered to be a dermal sensitizer in guinea pigs. A waiver has been granted for the requirement for an acute inhalation study based upon the fact that the formulation is a cream and that the physical form is prohibitive of conducting such a study. Therefore, no acute inhalation hazard is expected from use of this product.

The exposure and risk to individuals applying Saltidin Icaridin Insect Repellent Cream was assessed. No risks of concern are expected from the use, provided individuals follow the label directions.

A dietary exposure assessment was not required for this application.

### Environmental Assessment

An environmental assessment was not required for this application.

### Value Assessment

The value information and rationale provided were sufficient to support use

of Saltidin Icaridin Insect Repellent Cream for protection from mosquitoes and ticks for 12 hours, and protection from black flies for 10 hours.

## 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 Saltidin Icaridin Insect Repellent Cream.

## References

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2765451	1997, Acute Oral, DACO: 4.6.1 CBI
2765455	1996, Acute Dermal Toxicity Study with R140/102 KBR 3023 Repellent Cream in Rats, DACO: 4.6.2
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- 2765463 1997, Dermal Sensitization, DACO: 4.6.6 CBI
- 2765468 2008, Efficacy Test of KBR 3023 (Picaridin; Icaridin)-based personal insect repellents (20% Cream and 20% Spray) with mosquitoes under field conditions., DACO: 10.2.3.3(C)
- 2765469 2010, Efficacy Test of KBR 3023 (Picaridin; Icaridin)-based personal insect repellents (20% Cream and 20% Spray) with black flies under field conditions., DACO: 10.2.3.3(C)
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ISSN: 1911-8082

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