



## Evaluation Report for Category B, Subcategory B.2.1, B.2.3, B.2.4, B.3.11 Application

**Application Number:** 2016-8089  
**Application:** New EP Product Chemistry-Guarantee, New EP Product Chemistry-Identity of Formulants, New EP Product Chemistry-Proportion of Formulants, New Labels-New Pests  
**Product:** Credo SC Insecticide  
**Registration Number:** 33014  
**Active ingredients (a.i.):** Imidacloprid  
**PMRA Document Number:** 2788636

### Purpose of Application

The purpose of this application was to register Credo SC Insecticide, a product containing imidacloprid. The product is formulated as a suspension to be diluted with water and applied as a spray to the floor and lower portions of the walls and support beams in poultry facilities to control adult and larval lesser mealworm (darkling beetles).

### Chemistry Assessment

Credo SC Insecticide is formulated as a suspension containing imidacloprid at a concentration of 526 g/L. This end-use product has a density of 1.23 g/mL and pH of 6.63. The required chemistry data for Credo SC Insecticide have been provided, reviewed and found to be acceptable.

### Health Assessments

Credo SC Insecticide is considered to be moderately acutely toxic to rats via the oral route of exposure, slightly acutely toxic to rats via the inhalation route, and of low acute toxicity in rats via the dermal route of exposure. It is considered to be minimally irritating to the eyes and not irritating to the skin of rabbits and is not expected to be a dermal sensitizer in guinea pigs.

A human health risk assessment was conducted for Credo SC Insecticide. The dermal and inhalation exposures to workers mixing, loading and applying the product are not considered to be of concern when workers adhere to label restrictions, including PPE statements. Exposure to workers entering treated poultry barns is not considered to be of concern when label restrictions, such as the restricted entry interval, are adhered to.

## **Environmental Assessment**

Negligible environmental exposure is expected when Credo SC Insecticide is used as a surface, spot, or crack and crevice treatment within poultry facilities.

## **Value Assessment**

Efficacy data from five operational trials conducted in commercial poultry facilities in the United States demonstrated control (mostly >90%) of lesser mealworm larvae for at least 28 days after application, and sometimes much longer, with similar results for adults but more moderate reductions in their numbers. Those results demonstrated that Credo SC Insecticide controls lesser mealworm larvae and adults which are important pests in poultry facilities. Credo SC Insecticide is registered in the United States, is compatible with current IPM practices, and would provide an alternative for rotation with active ingredients having different modes of action registered for the same use.

## **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 the end-use product Credo SC Insecticide.

## References

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