

## Evaluation Report for Category L, Subcategory 1.2 Application

**Application Number:** 2022-1057  
**Application:** Submissions subject to Protection of Proprietary Interests in Pesticide (PIIP) Data Policy – Equivalency/Data Compensation Assessment  
**Product:** WARLOCK  
**Registration Number:** 34903  
**Active ingredient (a.i.):** Aminopyralid (present as triisopropanolamine salt)  
**PMRA Document Number:** 3460004

### Purpose of Application

The purpose of this application was to register WARLOCK, a commercial class end-use product for control of broadleaf weeds, invasive plants and woody plants in rangeland, permanent pasture, industrial and other non-crop areas, based on a registered precedent product.

### Chemistry Assessment

WARLOCK is formulated as a solution containing aminopyralid (present as triisopropanolamine salt) at a concentration of 240 g/L. This end-use product has a density of 1.14772 g/mL and pH of 7.43 (1% solution). The required chemistry data for WARLOCK have been provided, reviewed and found to be acceptable.

### Health Assessments

WARLOCK was considered to be toxicologically equivalent to the precedent product; therefore, no toxicology data were required. WARLOCK is considered to be of low acute toxicity via the oral, dermal and inhalation routes, minimally irritating to the eyes, and slightly irritating to the skin. It is not considered to be a dermal sensitizer.

The registered use pattern of WARLOCK is comparable to the registered use pattern of the precedent product. Therefore, potential exposure for mixers, loaders, applicators, bystanders and postapplication workers is not expected to exceed the current exposure to the registered products of aminopyralid. No health risks of concern are expected, provided that workers wear the appropriate personal protective equipment and follow all label directions for use.

A dietary exposure assessment was not required for this application.

## **Environmental Assessment**

The use of WARLOCK will not pose any additional risks to the environment. The required environmental precautions statements and spray buffer zones to mitigate risks to the environment are included on the registered label. When used according to label directions, the environmental risks are acceptable for WARLOCK.

## **Value Assessment**

The availability of WARLOCK provides growers with an alternative option to manage weeds and invasive and woody plants in rangeland, permanent pasture, industrial and other non-crop areas. Registration of a generic product, such as WARLOCK, may increase product competition in the market, which may result in a reduction in the purchasing cost of similar products, thus lowering growers' overall input cost.

The formulation of WARLOCK was compared to the formulation of the precedent product. It was concluded that the differences in formulations would be unlikely to result in significant impact on product performance, in regard to efficacy and crop tolerance. Therefore, all uses and claims on the precedent product label are supported for the inclusion on the WARLOCK label.

## **Conclusion**

The Pest Management Regulatory Agency has completed an assessment of the information provided, and has found the information acceptable to support the registration of WARLOCK.

## References

| <b>PMRA Document Number</b> | <b>Reference</b>  |
|-----------------------------|---|
| 3329420                     | 2022, Additional Product Chemistry for Rotam Aminopyralid 240 SL Herbicide - Parent, DACO: 3.1.1,3.1.2,3.1.3,3.1.4,3.5.15,3.5.4,3.5.5                         |
| 3329425                     | 2022, Study on the Method Validation of Aminopyralid 240 g/L Soluble Concentrate, DACO: 3.4.1   |
| 3329426                     | 2022, Study on the Physico Chemical Properties of Aminopyralid 240 g/L Soluble Concentrate, DACO: 3.5.1,3.5.11,3.5.12,3.5.13,3.5.2,3.5.6,3.5.7, 3.5.8,3.5.9   |
| 3329427                     | 2022, Study on the Physico Chemical Properties of Aminopyralid 240 g/L Soluble Concentrate After Accelerated Storage at 54°C for 14 Days, DACO: 3.5.10,3.5.14 |
| 3439467                     | 2023, Manufacturing Process of Aminopyralid 240g/L SL, DACO: 3.2.1, 3.2.2,3.2.3,3.3.1 CBI   |

© His Majesty the King in Right of Canada, as represented by the Minister of Health Canada, 2023

All rights reserved. No part of this information (publication or product) may be reproduced or transmitted in any form or by any means, electronic, mechanical, photocopying, recording or otherwise, or stored in a retrieval system, without prior written permission of Health Canada, Ottawa, Ontario K1A 0K9.