



Evaluation Report for Category L, Subcategory 1.2 Application

Application Number: 2018-0110
Application: L.1.2: Submission subject to PPIP policy - Equivalency Data Compensation Assessment
Product: Wuhai Glufosinate Ammonium 200 SN
Registration Number: 33500
Active ingredients (a.i.): Glufosinate-ammonium
PMRA Document Number : 2982005

Purpose of Application

The purpose of this application was to register the end use product WUHAI Glufosinate Ammonium 200 SN containing the active ingredient glufosinate-ammonium.

Chemistry Assessment

Wuhai Glufosinate Ammonium 200 SN is formulated as a solution containing glufosinate-ammonium at a concentration of 200 g/L. This end-use product has a density of 1.0789 g/mL and pH of 6.46. The required chemistry data for Wuhai Glufosinate Ammonium 200 SN have been provided, reviewed and found to be acceptable.

Health Assessments

Wuhai Glufosinate Ammonium 200 SN is of low acute oral, dermal and inhalation toxicity in rats. It is minimally irritating to the eye and non-irritating to the skin of the rabbit. It is not a dermal sensitizer in the guinea pig.

The use of the end-use product Wuhai Glufosinate Ammonium 200 SN on field corn, soybeans and canola is not expected to result in potential occupational or bystander exposure over the registered use of glufosinate ammonium. No risks of concern are expected when workers follow label directions and wear personal protective equipment as stated on the label.

No new residue data for glufosinate-ammonium in field corn, soybeans and canola were submitted to support the registration of Wuhai Glufosinate Ammonium 200 SN. Previously reviewed residue data from field trials conducted in/on field corn, soybeans and canola were reassessed to support this application. In addition, processing studies in treated field corn, soybeans and canola were also reassessed to determine the potential for concentration of residues of glufosinate-ammonium into processed commodities.

Environmental Assessment

The use pattern for Wuhai Glufosinate Ammonium 200 SN falls within the currently registered use pattern for glufosinate ammonium. No additional risk to the environment

is expected from the registration of this end-use product provided that environmental label statements are followed.

Value Assessment

The availability of Wuhai Glufosinate Ammonium 200 SN would provide farmers with an alternative option to manage broadleaf and grassy weeds in canola varieties, corn hybrids and soybean varieties grown throughout Canada that are specially developed to be tolerant to glufosinate-ammonium. Registration of this product may increase product competition in the marketplace, which may in turn reduce purchasing costs of similar products.

The formulation of Wuhai Glufosinate Ammonium 200 SN was compared to the formulation of a cited precedent product. It was concluded that differences in the formulations would be unlikely to result in any significant impact on product performance, in terms of both efficacy and crop tolerance.

Conclusion

The PMRA has reviewed the information provided in support of this end use product. Based on the results of this review, Wuhai Glufosinate Ammonium 200 SN is acceptable for registration.

References

2864779 2016, Acute Oral Toxicity study of Glufosinate-Ammonium 200 g/L SL In Rats
DACO 4.6.1

2864789 2016, Acute Dermal Toxicity study of Glufosinate-Ammonium 200 g/L SL In Rats
DACO 4.6.2

2864781 2017, Acute Inhalation Toxicity study of Glufosinate-Ammonium 200 g/L SL In Rats
DACO 4.6.3

2864782 2017, Acute Eye Irritation study of Glufosinate-Ammonium 200 g/L SL In Rabbits
DACO 4.6.4

2864783 2017, Acute Dermal Irritation study of Glufosinate-Ammonium 200 g/L SL In Rabbits
DACO 4.6.5

2864783 2017, Skin Sensitisation study of Glufosinate-Ammonium 200 g/L SL In Guinea Pigs
(Buehler Test Method) DACO 4.6.6

2838462 2017, Applicants Name and Office Address, DACO: 3.1.1

2838464 2017, Formulating Plants Name and Address, DACO: 3.1.2

2838466 2017, Trade Name, DACO: 3.1.3

2838468 2017, Other Names, DACO: 3.1.4

2838473 2017, DESCRIPTION OF THE FORMULATION PROCESS, DACO: 3.2.2 CBI

2838474 2017, DISCUSSION OF THE FORMATION OF IMPURITIES OF TOXICOLOGICAL CONCERN, DACO: 3.2.3 CBI

2838475 2017, ENFORCEMENT ANALYTICAL METHOD, DACO: 3.3.1,3.4.1 CBI

2838476 2017, IMPURITIES OF TOXICOLOGICAL CONCERN, DACO: 3.4.2 CBI

2838477 2016, ODOUR, DACO: 3.5.1,3.5.2,3.5.3 CBI

2838479 2016, STORAGE STABILITY DATA, DACO: 3.5.10 CBI

2838480 2016, FLAMMABILITY, DACO: 3.5.11 CBI

2838481 2017, EXPLODABILITY, DACO: 3.5.12 CBI

2838482 2016, MISCIBILITY, DACO: 3.5.13 CBI

2838483 2017, CORROSION CHARACTERISTICS, DACO: 3.5.14 CBI

2838484 2017, DIELECTRIC BREAKDOWN VOLTAGE, DACO: 3.5.15 CBI

2838485 2017, [CBI Removed], DACO: 3.5.16 CBI

2838486 2017, FORMULATION TYPE, DACO: 3.5.4 CBI

2838487 2017, CONTAINER MATERIAL AND DESCRIPTION, DACO: 3.5.5 CBI

2838488 2016, DENSITY OR SPECIFIC GRAVITY, DACO: 3.5.6 CBI

2838489 2016, PH, DACO: 3.5.7 CBI

2838490 2017, OXIDIZING OR REDUCING ACTION (CHEMICAL INCOMPATIBILITY), DACO: 3.5.8 CBI

2838491 2016, VISCOSITY, DACO: 3.5.9 CBI

2842851 2017, updated DACO 3.2.1 for Sub # 2018-0110, DACO: 3.2.1

2842852 2017, DESCRIPTION OF THE FORMULATION PROCESS, DACO: 3.2.2 CBI

2849554 2018, DESCRIPTION OF STARTING MATERIALS, DACO: 3.2.1 CBI

2864746 2017, Updated DACO 3.1.1 for Sub No 2018-0110, DACO: 3.1.1

2864747 2017, Updated DACO 3.1.2 for Sub No 2018-0110, DACO: 3.1.2

2864748 2017, updated DACO 3.1.3 for Sub No 2018-0110, DACO: 3.1.3

2864750 2017, updated DACO 3.1.4 for Sub No 2018-0110, DACO: 3.1.4

2864751 2018, DESCRIPTION OF STARTING MATERIALS, DACO: 3.2.1 CBI

2864760 2017, DESCRIPTION OF THE FORMULATION PROCESS, DACO: 3.2.2 CBI

2864761 2017, DACO 3.2.3, DACO: 3.2.3

2864762 2017, ENFORCEMENT ANALYTICAL METHOD, DACO: 3.4.1 CBI

2864763 2016, ODOUR, DACO: 3.5.1,3.5.2,3.5.3 CBI

2864764 2017, DACO 3.5.4, DACO: 3.5.4

2864765 2016, DENSITY OR SPECIFIC GRAVITY, DACO: 3.5.6 CBI

2864766 2016, PH, DACO: 3.5.7 CBI

2864767 2017, DACO 3.5.8, DACO: 3.5.8

2864768 2016, VISCOSITY, DACO: 3.5.9 CBI

2864769 2016, STORAGE STABILITY DATA, DACO: 3.5.10 CBI

2864770 2016, FLAMMABILITY, DACO: 3.5.11 CBI

2864771 2017, DACO 3.5.12, DACO: 3.5.12

2864772 2016, MISCIBILITY, DACO: 3.5.13 CBI

2864774 2017, CORROSION CHARACTERISTICS, DACO: 3.5.14 CBI

2864776 2017, DACO 3.5.15, DACO: 3.5.15

2864778 2017, DACO 3.5.16, DACO: 3.5.16

2894896 2016, ENFORCEMENT ANALYTICAL METHOD, DACO: 3.4.1 CBI

ISSN: 1911-8082

© Her Majesty the Queen in Right of Canada, represented by the Minister of Public Works and Government Services
Canada 2019

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 the Minister of Public Works and Government Services Canada, Ottawa, Ontario K1A 0S5.