



Evaluation Report for Category L, Subcategory 1.2 Application

Application Number: 2017-7223
Application: Submissions subject to the Protection of Proprietary Interests in Pesticide Data Policy -Equivalency/Data Compensation Assessment
Product: Foison Glufosinate Ammonium 200 SN
Registration Number: 33386
Active ingredient (a.i.): Glufosinate-ammonium
PMRA Document Number: 2954006

Purpose of Application

The purpose of this submission is to register a new herbicide containing glufosinate-ammonium for use in glufosinate-ammonium tolerant corn, soybeans and canola, based on a registered precedent.

Chemistry Assessment

Foison Glufosinate Ammonium 200 SN is formulated as an aqueous solution containing glufosinate-ammonium at a concentration of 200 g/L. This end-use product has a density of 1101.9-1103 g/L and pH of 7.16. The required chemistry data for Foison Glufosinate Ammonium 200 SN have been provided, reviewed and found to be acceptable.

Health Assessments

Foison Glufosinate Ammonium 200 SN is of low acute toxicity via the oral, dermal and inhalation routes of exposure. It is a mild irritant to the eyes and a non-irritant to the skin. It is negative for dermal sensitization based on the method of Buehler.

The use pattern of glufosinate-ammonium on the label of Foison Glufosinate Ammonium 200 SN, for applications to glufosinate-ammonium tolerant corn, soybeans and canola for control of various labelled weeds, is identical to that of the registered precedent. Therefore, the exposure to mixers, loaders, applicators and postapplication re-entry workers is not expected to exceed the current exposure to the registered product. The risk assessments on file for glufosinate-ammonium are adequate to address the potential exposure from the proposed uses. No health risks of concern are expected, provided that workers wear the appropriate personal protective equipment (PPE) and follow all label directions.

No new residue data for glufosinate-ammonium on corn, soybeans and canola were submitted to support the registration of Foison Glufosinate Ammonium 200 SN. Previously reviewed residue data were reassessed in the framework of this petition. No health risks of concern have been identified for any segment of the population including infants, children, adults and seniors.

Environmental Assessment

No additional risk to the environment is expected from the registration of Foison Glufosinate Ammonium 200 SN. The use pattern for this product fits within the registered use pattern for glufosinate ammonium. All environmental label statements are identical to the registered precedent.

Value Assessment

The availability of Foison Glufosinate Ammonium 200 SN provides 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 a generic product may increase product competition in the marketplace, which may in turn reduce purchasing costs of similar products.

The formulation of Foison 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 Pest Management Regulatory Agency has completed an assessment of the information provided, and has found the information sufficient to support the registration of Foison Glufosinate Ammonium 200 SN.

References

PMRA Document Number	Reference
2825069	2017, Chemical And Physical Properties, DACO: 3.5 CBI
2825071	2017, Product Analysis, DACO: 3.1,3.2,3.3.1,3.4 CBI
2830752	2017, Updated DACO 3.1.4, DACO: 3.1.4
2831202	2017, Updated DACO 3.1.1, DACO: 3.1.1
2831203	2017, Updated DACO 3.1.2, DACO: 3.1.2
2831204	2017, Updated DACO 3.1.3, DACO: 3.1.3
2831205	2017, Updated DACO 3.1.4, DACO: 3.1.4
2831206	2017, Updated DACO 3.2.1, DACO: 3.2.1
2831208	2017, Updated DACO 3.2.2, DACO: 3.2.2
2831209	2017, Updated DACO 3.2.3, DACO: 3.2.3
2831210	2017, Updated DACO 3.4.1, DACO: 3.4.1
2831211	2017, Updated DACO 3.4.2, DACO: 3.4.2
2883523	2017, VISCOSITY, DACO: 3.5.9 CBI
2897041	2018, Storage stability test for 2017-7223, DACO: 3.5.10
2897042	2018, Flash point declaration for 2017-7223, DACO: 3.5.11
2905960	2018, Flammability, DACO: 3.5.11 CBI
2905962	2018, DACO 3.5.8 for 2017-7223, DACO: 3.5.8
2905963	2014, Oxidizing of Glufosinate Ammonium TGAI, DACO: 3.5.8
2853482	2015, Glufosinate-ammonium 200 g/l SL (Synonyms: Glufosinate-ammonium 20% w/v or 18% w/w SL): Acute Oral Toxicity Study in Rat, DACO: 4.6.1.
2853483	2015, Glufosinate-ammonium 200 g/l SL (Synonyms: Glufosinate-ammonium 20% w/v or 18% w/w SL): Acute Dermal Toxicity Study in Rat, DACO: 4.6.2.
2853484	2015, Glufosinate-ammonium 200 g/l SL (Synonyms: Glufosinate-ammonium 20% w/v or 18% w/w SL): Acute Inhalation Toxicity Study in Rat, DACO: 4.6.3.
2853485	2015, Glufosinate-ammonium 200 g/l SL (Synonyms: Glufosinate-ammonium 20% w/v or 18% w/w SL): Acute Dermal Irritation/Corrosion Study in Rabbits, DACO: 4.6.4.
2853486	2015, Glufosinate-ammonium 200 g/l SL (Synonyms: Glufosinate-ammonium 20% w/v or 18% w/w SL): Acute Eye Irritation/Corrosion Study in Rabbits, DACO: 4.6.5.
2853487	2015, Glufosinate-ammonium 200 g/l SL (Synonyms: Glufosinate-ammonium 20% w/v or 18% w/w SL): Skin Sensitisation Study (Buehler Test) in Guinea Pig, DACO: 4.6.6.

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