



Evaluation Report for Category L, Subcategory 1.2 Application

Application Number: 2019-4403
Application: Application subject to the Protection of Proprietary Interests in Pesticide Data Policy
Product: Lier Glufosinate Ammonium 200 SN
Registration Number: 34980
Active ingredient (a.i.): Glufosinate-Ammonium
PMRA Document Number : 3198984

Purpose of Application

The purpose of this application was to register a new herbicide, Lier Glufosinate Ammonium 200 SN, based on a precedent.

Chemistry Assessment

Lier 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 1.09223 g/mL and pH of 7.28. The required chemistry data for Lier Glufosinate Ammonium 200 SN have been provided, reviewed and found to be acceptable.

Health Assessments

Lier Glufosinate Ammonium 200SN is considered to be of slight acute oral and low acute inhalation toxicity in the rat. It is considered to be of slight acute dermal toxicity in rabbits. It is considered to be moderately irritating to the eye and mildly irritating to the skin of the rabbit. It is not considered to be a skin sensitizer in the guinea pig.

The use pattern of Lier Glufosinate Ammonium 200 SN is the same as 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 this active ingredient. No health risks of concern are expected for workers and bystanders when label directions, precautions and restrictions are followed.

No new residue data for glufosinate-ammonium were submitted to support the registration of Lier Glufosinate Ammonium 200 SN. The use directions on the Lier Glufosinate Ammonium 200 SN label, including target crops, method, rate and timing of application, pre-harvest intervals, and crop rotation restrictions fall within the currently registered use patterns for the precedent end-use product. Based on this assessment, residues of the active ingredient glufosinate-ammonium in/on treated crops are not expected to increase and will be covered under the maximum residue limits (MRLs) currently established (<http://pr-rp.hc-sc.gc.ca/mrl-lrm/results-eng.php>). Consequently, the dietary exposure to residues of glufosinate-ammonium is not expected to increase with the registration of Lier Glufosinate Ammonium

200 SN and will not pose health risks of concern to any segment of the population, including infants, children, adults and seniors.

Environmental Assessment

After a scientific review of the available information, the PMRA has concluded that the environmental risks associated with the use of the new herbicide end-use product, Lier Glufosinate Ammonium 200 SN, containing the active ingredient glufosinate-ammonium, are acceptable when used according to the label directions.

Value Assessment

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 Lier Glufosinate Ammonium 200 SN was compared to the formulation of the cited precedent product. The agronomic equivalence between Lier Glufosinate Ammonium 200 SN Herbicide and the cited precedent product can be established. Therefore, all uses and claims found on the precedent product label are supported for inclusion on the Lier Glufosinate Ammonium 200 SN Herbicide label.

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 Lier Glufosinate Ammonium 200 SN.

References

PMRA

Document

Number	Reference
3026987	2017, Formulation process, DACO: 3.2.2 CBI
3026988	2019, Description of the formulation of impurities of toxicological concern, DACO 3.2.3, DACO: 3.2.3
3026989	2019, 2019, Analytical Method for Determination of Active Ingredient in 200g/L, Glufosinate-Ammonium SL, 2019, DACO 3.4.1, DACO: 3.4.1 CBI, DACO: 3.4.1 CBI
3026990	2019, 2019, Impurities of toxicological concerns, 2019, DACO 3.4.2, DACO: 3.4.2, DACO: 3.4.2
3026991	2016, 2019, Determination of Colour, Physical state and Odour of Glufosinate-ammonium 200 g/L SL, DACO 3.5.1,2,3, DACO: 3.5.1,3.5.2,3.5.3, DACO: 3.5.1,3.5.2,3.5.3
3026992	2019, 2019, Formulation type, DACO 3.5.4, DACO: 3.5.4, DACO: 3.5.4
3026993	2019, 2019, Container Material and Description, DACO 3.5.5, DACO: 3.5.5, DACO: 3.5.5

3026994	2016, 2016, Determination of Density of Glufosinate-ammonium 200 g/L SL, DACO 3.5.6, DACO: 3.5.6, DACO: 3.5.6
3026995	2016, 2016, Determination of pH, Acidity or Alkalinity of Glufosinate-ammonium 200 g/L SL, DACO 3.5.7, DACO: 3.5.7, DACO: 3.5.7
3026996	2016, 2016, Determination of Oxidation/ Reduction: Chemical Incompatibility of Glufosinate-ammonium 200 g/L SL, DACO 3.5.8, DACO: 3.5.8, DACO: 3.5.8
3026997	2016, 2016, Determination of Viscosity of Glufosinate-ammonium, 200 g/l SL, DACO 3.5.9, DACO: 3.5.9, DACO: 3.5.9
3026998	2017, 2017, Determination of Accelerated Storage Stability of Glufosinate-ammonium 200 g/L SL, DACO 3.5.10, DACO: 3.5.10, DACO: 3.5.10
3026999	2016, 2016, Determination of Flash Point of Glufosinate-ammonium 200 g/L SL, DACO 3.5.11, DACO: 3.5.11, DACO: 3.5.11
3027000	2019, 2019, Explodability, DACO 3.5.12, DACO: 3.5.12, DACO: 3.5.12
3027001	2019, 2019, Miscibility, DACO 3.5.13, DACO: 3.5.13, DACO: 3.5.13
3027002	2016, 2016, Determination of Corrosion Characteristic of Glufosinate-ammonium 200 g/L SL, DACO 3.5.14, DACO: 3.5.14, DACO: 3.5.14
3027003	2019, 2019, Electric Breakdown Voltage, DACO 3.5.15, DACO: 3.5.15, DACO: 3.5.15
3027004	2019, 2019, DACO 3.5.16, Nano-material Characteristics, DACO: 3.5.16, DACO: 3.5.16
3138272	2016, updated storage stability and corrosion characteristics for 2019-4403, DACO: 3.5.10, 3.5.14

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