



Evaluation Report for Category L, Subcategory 1.2 Application

Application Number: 2021-1788
Application: Submission subject to the Protection of Proprietary Interests in Pesticide Data (PIIP) policy - Equivalency/Data Compensation Assessment
Product: Tide Glufosinate ammonium 150SL Herbicide and Desiccant
Registration Number: 34996
Active ingredient (a.i.): Glufosinate-ammonium
PMRA Document Number: 3389586

Purpose of Application

The purpose of this application was to register an end-use product, Tide Glufosinate ammonium 150SL Herbicide and Desiccant, for weed control and crop desiccation, based on a precedent product.

Chemistry Assessment

Tide Glufosinate ammonium 150SL Herbicide and Desiccant is formulated as a solution containing glufosinate-ammonium at a concentration of 150 g/L. This end-use product has a density of 1.05 – 1.15 g/mL and pH of 6.67 (1% solution). The required chemistry data for Tide Glufosinate ammonium 150SL Herbicide and Desiccant have been provided, reviewed and found to be acceptable.

Health Assessments

Tide Glufosinate ammonium 150SL Herbicide and Desiccant was considered toxicologically equivalent to the precedent product; therefore, no toxicology data were required. Tide Glufosinate ammonium 150SL Herbicide and Desiccant is considered to be of slight acute toxicity via the oral route, of slight acute toxicity via the inhalation route, and of moderate acute toxicity via the dermal route. Tide Glufosinate ammonium 150SL Herbicide and Desiccant is considered to be moderately irritating to the eyes and mildly irritating to the skin, and not a potential dermal sensitizer.

The requested use pattern of Tide Glufosinate ammonium 150SL Herbicide and Desiccant containing glufosinate-ammonium 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 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 or are required to support the registration of Tide Glufosinate ammonium 150SL Herbicide and Desiccant. Previously reviewed residue data were re-assessed in the framework of this application.

The use directions on the Tide Glufosinate ammonium 150SL Herbicide and Desiccant label, including the target crops, method (ground), rates and timing of application, geographic restrictions, preharvest intervals, feeding restrictions, and crop rotation restrictions are comparable to the precedent end-use product.

Based on this assessment, residues are not expected to be greater than that for the currently registered uses and will be covered by the established MRLs. Consequently, dietary exposure to residues of glufosinate-ammonium is not expected to increase with the registration of Tide Glufosinate ammonium 150SL Herbicide and Desiccant and will not pose health risks of concern to any segment of the population, including infants, children, adults and seniors.

Environmental Assessment

The use of Tide Glufosinate ammonium 150SL Herbicide and Desiccant in canola, soybeans, corn separator rows, raspberries, and alfalfa falls within the currently registered use pattern of the precedent product. The registration of Tide Glufosinate ammonium 150SL Herbicide and Desiccant is acceptable from the perspective of environmental risk when used in accordance with label directions.

Value Assessment

Registration of generic products may increase product competition in the marketplace, which may in turn reduce purchasing costs of similar products.

Value information from replicated field trials demonstrated that the performance, in terms of efficacy and crop tolerance, of Tide Glufosinate ammonium 150SL Herbicide and Desiccant can be expected to be agronomically comparable to that of the precedent product. Therefore, all labelled uses and claims found on the precedent product label are supported for inclusion on the Tide Glufosinate ammonium 150SL Herbicide and Desiccant 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 Tide Glufosinate ammonium 150SL Herbicide and Desiccant.

References

PMRA Document Number	Reference
3224542	2021, Part 3 Product Chemistry Data for Tide Glufosinate ammonium 150SL Herbicide DACOs 3.1 to 3.5, DACO: 3.1 CBI
3224543	2020, The Formulation Process of Tide Glufosinate ammonium 150SL Herbicide, DACO: 3.2.2 CBI
3224544	2021, Validation of Analytical Methodology for the Assay of Active Ingredient in Tide Glufosinate ammonium 150SL Herbicide, DACO: 3.4.1 CBI
3224545	2021, Chemical and Physical Characterization of Tide Glufosinate ammonium 150SL Herbicide: Colour, Physical state and Odour, DACO: 3.5.1,3.5.2,3.5.3 CBI
3224546	2021, Chemical and Physical Characterization of Tide Glufosinate ammonium 150SL Herbicide: Density, DACO: 3.5.6 CBI
3224547	2021, Chemical and Physical Characterization of Tide Glufosinate ammonium 150SL Herbicide: pH, DACO: 3.5.7 CBI
3224548	2021, Chemical and Physical Characterization of Tide Glufosinate ammonium 150SL Herbicide: Oxidation/reduction, DACO: 3.5.8 CBI
3224549	2021, Chemical and Physical Characterization of Tide Glufosinate ammonium 150SL Herbicide: Viscosity, DACO: 3.5.9 CBI
3224550	2021, Chemical and Physical Characterization of Tide Glufosinate ammonium 150SL Herbicide: Accelerated storage stability and Corrosion characteristics, DACO: 3.5.10,3.5.14 CBI
3224551	2021, Chemical and Physical Characterization of Tide Glufosinate ammonium 150SL Herbicide: - Flash Point, DACO: 3.5.11 CBI
3283537	2021, Value Assessment of Tide Glufosinate ammonium 150SL Herbicide and Desiccant, DACO: 10.2.3.3
3283539	2021, Tide Glufosinate ammonium 150SL Compilation of trial reports, DACO: 10.2.3.3

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