

Evaluation Report for Category B, Subcategory 1.1 & 1.3 Application

Application Number: 2008-2595
Application: B.1.1 & B.1.3, New TGAI Prod Chemistry-New Source (same registrant) and Specifications
Product: Technical Glyphosate Herbicide
Registration Number: 28967
Active ingredients (a.i.): Glyphosate
PMRA Document Number: 1797573

Purpose of Application

The purpose of this application was to add a new source and to amend product specifications of Technical Glyphosate Herbicide (Reg. No. 28967).

Chemistry Assessment

Common Name: Glyphosate
Chemical Name: *N*-(phosphonomethyl)glycine

Technical Glyphosate Herbicide has the following properties:

Property	Result
Colour and physical state	Colourless solid
Nominal concentration	96.2%
Odour	Not available
Density at 20°C	1.7 g/mL
Vapour pressure at 25°C	1.31×10^{-2} mPa
pH	2.05 (1% solution)
Solubility in water at 20°C	10.5 g/L
n-Octanol/water partition coefficient	$\log K_{ow} < -3.2$ (pH 2-5)

The chemistry requirements for Technical Glyphosate Herbicide have been completed.

Health Assessments

The new source of Technical Glyphosate Herbicide is considered to be chemically equivalent to the previous source based on a formulation comparison. Therefore, the toxicity profile is not expected to be significantly different and no toxicological data are required.

No new residue data were submitted to support adding a new source of glyphosate for Technical Glyphosate Herbicide. Since the proposed change does not alter the chemical properties of the registered Technical Glyphosate Herbicide, no change in the magnitude of the residues is anticipated. Therefore, the dietary exposure is not expected to increase and does not pose an unacceptable risk to any segment of the population, including infants, children, adults and seniors.

Environmental and Value Assessments

The environmental and value assessments were not required for this application.

Conclusion

The PMRA has completed an evaluation of the subject application and has found the information sufficient to support the addition of a new source and the amendment to the product specifications for Technical Glyphosate Herbicide (Reg. No. 28967).

References

Studies/Information Provided by Applicant/Registrant

<u>PMRA No.</u>	<u>Reference</u>
1614745	2008, NAFST-08-054 GF-1547 Group A Report, DACO: 2.11,2.12,2.13.1,2.13.2
1614747	2008, Analysis of Product Samples for Active Ingredient and Impurities in Technical Grade of Glyphosate, DACO: 2.13.3
1614748	2007, Glyphosate Technical: Determination of the glyphosate and formaldehyde content in five batch samples., DACO: 2.13.3

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