

Evaluation Report for Category B, Subcategory 1.1, 1.3 Application

Application Number: 2008-2870
Application: B.1.1, 1.3 – Technical Product Chemistry: new source same registrant and changes to product specification
Product: Technical Glyphosate Herbicide
Registration Number: 28967
Active ingredients (a.i.): Glyphosate [GPS]
PMRA Document Number: 1784638

Purpose of Application

The purpose of this application was to add a new source and to amend product specifications for the technical product Technical Glyphosate Herbicide, Reg. No. 28967.

Chemistry Assessment

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

Technical Glyphosate Herbicide has the following properties:

Property	Results
Colour and physical state	Colourless crystalline solid
Nominal concentration	96.2 %
Odour	Odourless
Density	1.7 g/mL
Vapour pressure	1.31×10^{-2} mPa
pH	2.05 (for a 1 % solution)
Solubility in water	10.5 g/L
n-Octanol/water partition coefficient	$\log K_{ow} < -3.2$ in pH 2 – 5

The product chemistry for Technical Glyphosate Herbicide is complete.

Health Assessment

The Technical Glyphosate Herbicide produced at the new source of manufacture is considered to be similar to that of the currently registered source. Therefore, the toxicology profile is not expected to be significantly different and no toxicology data were required.

No new residue data were submitted to support adding a new source of glyphosate for Technical Glyphosate Herbicide. Since the technical product produced at the new source of manufacture 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 Assessment

An environmental assessment was not required for this application.

Value Assessment

A value assessment was not required for this application.

Conclusion

Following the review of all available data, the PMRA is able to support the new source and the amendment to the product specifications for Technical Glyphosate Herbicide, Reg. No. 28967.

References

Studies/Information Provided by Applicant/Registrant

- | | |
|---------|---|
| 1620961 | 2008, Applicant & Manufacturer Name and Address - Glyphosate Tech (GF-1548) - new source, DACO: 2.1,2.2 CBI |
| 1620962 | 2008, Group A: Product Identity and Composition, Description of Materials Used to Produce the Product, Description of Manufacturing Process, Discussion of Formation of Impurities, Preliminary Analysis, Certified Limits and Enforcement Analytical Methods, DACO:
2.11.1,2.11.2,2.11.3,2.11.4,2.12.1,2.13.1,2.13.2,2.13.3,2.3.1,2.4,2.5,2.6,2.7,2.8,2.9 |
| 1781309 | 2009, Glyphosate Tech - Suppliers of Starting Materials, DACO: 2.11.2 |

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