

Evaluation Report for Category B, Subcategory 1.1 and 1.3 Application

Application Number: 2007-5210
Application: B.1.1: New Source – Same Registrant
B.1.3: Change in Product Specifications
Product: Glyphos Soluble Concentrate Herbicide 2
Registration Number: 29143
Active ingredients (a.i.): Glyphosate
PMRA Document Number : 1668238

Purpose of Application

The purpose of this application is to register a new source of glyphosate technical.

Chemistry Assessment

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

Glyphos Soluble Concentrate Herbicide 2 has the following properties:

Property	Result
Colour and physical state	White solid
Nominal concentration	97.9% as determined by HPLC
Odour	Odourless
Density	1.655 g/L
Vapour pressure	1.31 x 10 ⁻² mPa (at 25°C)
pH	1.97
Solubility in water	10.5 g/L (20°C, pH 1.9)
n-Octanol/water partition coefficient	Log K _{OW} = <-3.2 (pH 2-5)

The chemistry requirements for Glyphos Soluble Concentrate Herbicide 2 have been completed.

Health Assessments

The application of a new source for Glyphos Soluble Concentrate Herbicide 2 for registration was based the registration of the Cheminova's currently registered Glyphosate Technical (Reg. No. 24337). Glyphosate technical from the new source was determined to be chemically equivalent with no increase to any impurities of toxicological concern. Therefore, the toxicity profile is not expected to be significantly different and no toxicological data were required

The food residue profile of the new source of Glyphos Soluble Concentrate Herbicide 2 is expected to be similar to that of the currently registered Glyphosate Technical (Reg. No. 24337) as chemistry concluded that both TGAs were chemically equivalent. Accordingly, no increase in dietary exposure is anticipated.

Environmental and Value Assessment

As Glyphos Soluble Concentrate Herbicide 2 is currently registered, environment and value assessments were not required.

Conclusion

The new source of Glyphos Soluble Concentrate Herbicide 2 is acceptable for full registration.

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