

Evaluation Report for Category B, Subcategory 1.2 Application

Application Number: 2010-1028
Application: New Source of Technical Grade Active Ingredient by a New Registrant
Product: UPI Glyphosate Technical Herbicide
Registration Number: 30634
Active ingredients (a.i.): Glyphosate
PMRA Document Number : 2207538

Background

The source of glyphosate used to determine chemical equivalence was Registration Number 19535.

Purpose of Application

The purpose of this application was to register a new source of the active ingredient, glyphosate, by a different Registrant.

Chemistry Assessment

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

UPI Glyphosate Technical Herbicide has the following properties:

Property	Result
Colour and physical state	White Solid (Crystalline Powder)
Nominal concentration	97.7 %
Odour	Odourless
Specific Gravity	1.7038-1.7057
Vapour pressure	1.32403×10^{-5} pascals
pH	1.96
Solubility in water	17.32 g/L at pH 5.03 18.96 g/L at ph 7.05 22.31 g/L at pH 9.03

Property	Result
n-Octanol/water partition coefficient	Log K _{ow} = -3.15

The chemistry requirements for UPI Glyphosate Technical Herbicide have been completed.

Health and Environmental Assessments

As the new source of glyphosate is chemically equivalent to the registered source, the health and environmental risk profiles are expected to be similar to that of the product used to determine chemical equivalence. No additional assessments were required.

Value Assessment

A value assessment is not required for technical grade active ingredient products.

Conclusion

The PMRA has completed an evaluation of the subject application and has determined that it can support the registration of UPI Glyphosate Technical Herbicide.

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