



Evaluation Report for Category B, Subcategory 1.1 Application

Application Number: 2013-6754
Application: New / Changes TGAI or ISP Prod Chemistry-New Source(site) same registrant
Product: Technical Glyphosate Herbicide
Registration Number: 28967
Active ingredients (a.i.): Glyphosate
PMRA Document Number : 2446523

Purpose of Application

The purpose of this application was to add a new source of glyphosate to the currently registered product Technical Glyphosate Herbicide.

Chemistry Assessment

Common Name: Glyphosate
IUPAC Chemical Name: *N*-(phosphonomethyl)glycine
CAS 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	Odourless
Density at 20°C	1.78 g/ mL
Vapour pressure at 25°C	1.31×10^{-2} mPa
pH	1.2-2.05 (20-25°C)
Solubility in water	10.5 g/L (pH 1.9, 25°C)
n-Octanol/water partition coefficient	$\text{LogK}_{ow} = < -3.2$ (pH 2-5, 20°C)

The chemistry requirements for Technical Glyphosate Herbicide have been fulfilled.

Health, Environmental and Value Assessments

Health, environmental and value assessments were not required for this application.

Conclusion

The Pest Management Regulatory Agency has completed an assessment of

the information provided, and has found the information sufficient to add this new source to Technical Glyphosate Herbicide.

References

PMRA Document Number	Reference
2368265	2013, 131212 Technical Glyphosate - Applicant and Manufacturer name and address, DACO: 2.1,2.2 CBI
2368266	2013, Manufacturing Process - Glyphosate Technical Grade, DACO: 2.11.1,2.11.2,2.11.3,2.11.4,2.12.1 CBI
2368267	2013, MSDS [CBI REMOVED], DACO: 2.11.2 CBI
2368268	2013, MSDS [CBI REMOVED], DACO: 2.11.2 CBI
2368270	2013, MSDS [CBI REMOVED], DACO: 2.11.2 CBI
2368271	2013, MSDS [CBI REMOVED], DACO: 2.11.2 CBI
2368272	2013, MSDS [CBI REMOVED], DACO: 2.11.2 CBI
2368274	2013, MSDS [CBI REMOVED], DACO: 2.11.2 CBI
2368275	2013, MSDS [CBI REMOVED], DACO: 2.11.2 CBI
2368276	2013, MSDS[CBI REMOVED], DACO: 2.11.2 CBI
2368277	2009, Determination of Active Content and Impurity Profile of Glyphosate, DACO: 2.12.1, 2.13.1, 2.13.2, 2.13.3 CBI
2368279	2013, 131212 Technical Glyphosate - add new source of active ingredient, DACO: 2.16 CBI
2441329	2014, Manufacturing Process Glyphosate Technical Grade, DACO: 2.11.3
2441330	2013, Certificate of Analysis - Glyphosate 95% TC (20 batches), DACO: 2.13.1
2441331	2014, Analysis of Impurities, DACO: 2.13.1
2441332	2014, Impurities of Human Health or Environmental Concern, DACO: 2.13.4

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