

Evaluation Report for Category B, Subcategory 1.2 Application

Application Number: 2016-0783
Application: New Technical Grade Active Ingredient Product Chemistry – New Source (Site) New Registrant
Product: Sharda Fluazifop-P-butyl Technical
Registration Number: #####
Active ingredients (a.i.): Fluazifop-P-butyl
PMRA Document Number: 2701046

Purpose of Application

The purpose of this application was to register a new source of fluazifop-p-butyl, Sharda Fluazifop-P-butyl Technical, by a new registrant.

Chemistry Assessment

Common Name: fluazifop-P-butyl
IUPAC* Chemical Name: butyl (2*R*)-2-(4-{[5-(trifluoromethyl)pyridin-2-yl]oxy}phenoxy)propanoate
CAS† Chemical Name: butyl (2*R*)-2-[4-[[5-(trifluoromethyl)-2-pyridinyl]oxy]phenoxy]propanoate

* International Union of Pure and Applied Chemistry

† Chemical Abstracts Service

Sharda Fluazifop-p-butyl Technical has the following properties:

Property	Result
Colour and physical state	Brown liquid
Nominal concentration	95.02%
Odour	Characteristic
Density	1.22 g/mL
Vapour pressure	7.392×10^{-3} mPa
pH	4.10
Solubility in water	319.1 mg/L

Property	Result
n-Octanol/water partition coefficient	LogK _{ow} > 4.79

The required chemistry data for Sharda Fluazifop-p-butyl Technical have been provided, reviewed, and found to be acceptable.

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 available information and is able to support the registration of the new source of fluazifop-p-butyl, Sharda Fluazifop-P-butyl Technical.

References

PMRA Document Number	References
2606619	2016, Applicants Name and Office Address, Formulating Plant and address, Melting Point and Trade Name for Sharda Fluazifop-p-butyl Technical, DACO: 2.1,2.14.4,2.2,2.3 CBI
2606620	2016, Applicants Name and Office Address, Formulating Plant and address, Melting Point and Trade Name for Sharda Fluazifop-p-butyl Technical, DACO: 2.1,2.14.4,2.2,2.3 CBI
2606621	2015, MANUFACTURING PROCESS OF FLUAZIFOP-P-BUTYL TECHNICAL, DACO: 2.11.1,2.11.2,2.11.3,2.11.4 CBI
2606629	2011, Fluazifop-P-Butyl Technical: Complete Analysis of Five Batch Samples, DACO: 2.12.1,2.13.2,2.13.3,2.13.4 CBI
2606630	2011, Fluazifop-P-Butyl Technical: Validation of the Analytical Method for the Determination of the Active Ingredient Content, DACO: 2.13.1,2.14.12 CBI
2606631	2011, Fluazifop-P-Butyl Technical: Validation of the Analytical Method for the Determination of the [CBI Removed] Content, DACO: 2.13.1 CBI
2606633	2011, Fluazifop-P-Butyl Technical: Validation of the Analytical Method for the Determination of the Significant Impurities Content, DACO: 2.13.1,2.13.4 CBI
2606634	2015, Declaration Letter that Samples in 5-Batch Analysis were from Manufacturing Plant, DACO: 2.13.3 CBI
2606635	2011, Fluazifop-P-Butyl Technical: Determination of the Colour, Odour and Physical State, DACO: 2.14.1,2.14.2,2.14.3,2.4,2.5,2.6,2.7,2.8,2.9 CBI
2606636	2011, Fluazifop-P-Butyl Technical: Determination of the Dissociation Constant in Water, DACO: 2.14.10 CBI
2606637	2011, Fluazifop-P-Butyl Technical: Determination of the Partition Coefficient (n-Octanol/Water), DACO: 2.14.11 CBI
2606638	2012, Fluazifop-P-Butyl Technical: Determination of the Chemical Compatibility, DACO: 2.14.13 CBI
2606639	2012, Fluazifop-P-Butyl Technical: Determination of the Accelerated Storage Stability and Corrosion Characteristics, DACO: 2.14.14 CBI
2606640	2012, Fluazifop-P-Butyl Technical: Determination of the pH Value and Acidity or Alkalinity, DACO: 2.14.15,830.7000 CBI
2606641	2011, Fluazifop-P-Butyl Technical: Determination of the Boiling Point, DACO: 2.14.5 CBI
2606642	2011, Fluazifop-P-Butyl Technical: Determination of the Relative Density, DACO: 2.14.6 CBI
2606643	2011, Fluazifop-P-Butyl Technical: Determination of the Water Solubility, DACO: 2.14.7 CBI
2606644	2012, Fluazifop-P-Butyl Technical: Determination of the Solubility in Organic Solvents, DACO: 2.14.8 CBI
2606645	2011, Fluazifop-P-Butyl Technical: Determination of the Vapour Pressure, DACO: 2.14.9 CBI
2606647	2012, Fluazifop-P-Butyl Technical: Determination of the Oxidizing Properties and Explosive Properties, DACO: 2.16 CBI

- 2606649 2011, Fluazifop-P-Butyl Technical: Determination of the Freezing Point, DACO: 2.16 CBI
- 2680010 2016, Fluazifop-p-butyl Technical: Validation of the Analytical Method for the Determination of [CBI Removed], DACO: 2.13.1,2.13.4 CBI
- 2680011 2016, Fluazifop-p-butyl Technical: Analysis of [CBI Removed] in Five Batch Samples, DACO: 2.13.4 CBI

ISSN: 1911-8082

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