

Evaluation Report for Category B, Subcategory 1.2 Application

Application Number: 2015-6803
Application: New Technical Grade Active Ingredient Product Chemistry – New Source (site) New Registrant
Product: NewAgco Florasulam Technical Herbicide
Registration Number: 32664
Active ingredients (a.i.): Florasulam
PMRA Document Number: 2705730

Purpose of Application

The purpose of this application was to register a new source of the active ingredient florasulam, NewAgco Florasulam Technical Herbicide, by a new registrant.

Chemistry Assessment

Common Name: Florasulam
IUPAC* Chemical Name: 2',6',8-trifluoro-5-methoxy[1,2,4]triazolo[1,5-c]pyrimidine-2-sulfonanilide
CAS† Chemical Name: *N*-(2,6-difluorophenyl)-8-fluoro-5-methoxy[1,2,4]triazolo[1,5-c]pyrimidine-2-sulfonamide

* International Union of Pure and Applied Chemistry

† Chemical Abstracts Service

NewAgco Florasulam Technical Herbicide has the following properties:

Property	Result
Colour and physical state	Snow white powder
Nominal concentration	98.44%
Odour	Odourless
Density	1.611 – 1.659 g/mL
Vapour pressure	0.01 mPa at 25°C
pH	4.522 ± 0.065 at 21.7°C

Property	Result	
Solubility in water at 20 - 25°C	<u>pH</u>	<u>Solubility (mg/L)</u>
	5.0	84.0
	5.6 – 5.8	121.0
	7.0	6360.0
	9.0	9.42×10^4
n-Octanol/water partition coefficient	<u>pH</u>	<u>log K_{ow}</u>
	4	1.00
	7	-1.22
	10	- 2.06

The required chemistry data for NewAgco Florasulam Technical Herbicide 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 information provided and is able to support the registration of NewAgco Florasulam Technical Herbicide.

References

PMRA Document Number	References
2591600	2015, Manufacturing Process and Material Information, DACO: 2.11.1, 2.11.2, 2.11.3, 2.11.4 CBI
2591601	2014, Preliminary Analysis Testing and Determination of the Ultraviolet-Visible Absorption Spectrum of Florasulam Technical Grade Active ingredient (TGAI), DACO: 2.12.1, 2.13.1, 2.13.2, 2.13.3, 2.13.4 CBI
2591602	2014, Product Chemistry Testing of Florasulam 98% Technical Grade Active Ingredient (TGAI), DACO: 2.14.1, 2.14.2, 2.14.3, 2.14.4, 2.14.6 CBI
2633700	2016, Combined Storage Stability /Corrosion Characteristics Testing of Florasulam Technical, DACO: 2.14.14 CBI
2647797	2016, Manufacturing process of florasulam, DACO: 2.11.3 CBI
2680347	2016, Five Batches Analysis of Florasulam Technical, DACO: 2.13.3, 2.13.4 CBI

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