



Evaluation Report for Category B, Subcategory 1.1 Application

Application Number: 2017-1710
Application: Changes TGAI Prod Chemistry-New Source(site) same registrant
Product: NewAgco Florasulam Technical Herbicide
Registration Number: 32664
Active ingredients (a.i.): Florasulam
PMRA Document Number : 2808947

Purpose of Application

The purpose of this application was to register a new source of florasulam for NewAgco Florasulam Technical Herbicide.

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	White solid	
Nominal concentration	98.44%	
Odour	Odourless	
Specific gravity	1.611 – 1.659 g/mL	
Vapour pressure	0.01 mPa at 25°C	
pH	4.522 ± 0.065 at 21.7°C	
Solubility in water	<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

Property	Result	
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 has found the information sufficient to support the new source of florasulam for NewAgco Florasulam Technical Herbicide.

References

PMRA

Document

Number	Reference
2747664	2017, Basic Information, DACO: 2.1,2.2 CBI
2747665	2017, Manufacturing Process of Florasulam Technical Grade Active Substance, DACO: 2.11.1,2.11.2,2.11.3,2.11.4 CBI
2747668	2016, Purity Profile Study of 5 Batches of Florasulam Technical - Amendment No. 1, DACO: 2.12.1,2.13.1,2.13.2,2.13.3 CBI
2747669	2015, Purity Profile Study of 5 Batches of Florasulam Technical - Amendment No. 1, DACO: 2.12.1,2.13.1,2.13.2,2.13.3 CBI
2806194	2017, Impurities formation of Florasulam Technical Grade Active Substance, DACO: 2.11.4 CBI
2806196	2016, Purity Profile Study of 5 Batches of Florasulam Technical - Quantification and validation of one impurity, DACO: 2.13.3 CBI

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