Health Canada Santé Canada

Evaluation Report for Category B, Subcategory 1.2 Application

Application Number: 2017-1616
Application: New TGAI Product Chemistry – New Source (site) New Registrant
Product: NewAgco Metsulfuron Technical
Registration Number: 32960
Active ingredient (a.i.): Metsulfuron-methyl
PMRA Document Number: 2825171

Purpose of Application

The purpose of this application was to register a new source of the active ingredient metsulfuron-methyl by a new registrant.

Chemistry Assessment

Common Name:	Metsulfuron-methyl
IUPAC* Chemical Name:	Methyl 2-{[(4-methoxy-6-methyl-1,3,5-triazin-2-yl)carbamoyl]sulfamoyl}benzoate
CAS† Chemical Name:	Methyl 2-[[[[(4-methoxy-6-methyl-1,3,5-triazin-2-yl)amino]carbonyl]amino]sulfonyl]benzoate

* International Union of Pure and Applied Chemistry
† Chemical Abstracts Service

NewAgco Metsulfuron Technical has the following properties:

Property	Result
Colour and physical state	White solid
Nominal concentration	99.0%
Odour	Odourless
Density	1.5 g/mL
Vapour pressure	3.2×10^{-6} mPa at 25°C
pH	3.87
Solubility in water	pH: 5, 7, 10 — Solubility (mg/L): 548.0, 2790.0, 2.13×10^{5}

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Property	Result	
n-Octanol/water partition coefficient	pH	log K_{ow}
	4	1.0
	7	-1.87
	10	-2.2

The required chemistry data for NewAgco Metsulfuron 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 information provided and has found the information sufficient to support the registration of NewAgco MetsulfuronTechnical.

References

PMRA Document Number	References
2746133	2017, Basic Chemistry Requirements, DACO: 2.1, 2.2, 2.3, 2.3.1, 2.4, 2.5, 2.6, 2.7, 2.8, 2.9 CBI
2746134	2017, Manufacturing Process of Metsulfuron-methyl Technical, DACO: 2.11.1, 2.11.2, 2.11.3, 2.11.4 CBI
2746136	2016, Five Batches Analysis of Metsulfuron-methyl technical (TC), DACO: 2.12.1, 2.13.1, 2.13.2, 2.13.3 CBI
2746137	2016, Physico-chemical Properties of Metsulfuron-methyl technical (TC), DACO: 2.14.1, 2.14.12, 2.14.15, 2.14.2, 2.14.3, 2.14.4, 2.14.6 CBI
2746139	2017, Additional Phys/Chem Properties with References, DACO: 2.14.10, 2.14.11, 2.14.13, 2.14.14, 2.14.5, 2.14.7, 2.14.8, 2.14.9 CBI
2769438	2017, Residual Content text of [CBI removed] in Metsulfuron-methyl Technical, DACO: 2.13.4 CBI
2797156	2017, Accelerated Storage Stabilty/Corrosion Characteristics Testing of Metsulfuron-Methyl 97% Technical, DACO: 2.14.14 CBI

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