



Evaluation Report for Category B, Subcategory 1.2 Application

Application Number: 2017-6012
Application: Application to register a new technical grade active ingredient, new source by new registrant
Product: BCS Metsulfuron-methyl Technical
Registration Number: 33166
Active ingredients (a.i.): Metsulfuron-methyl
PMRA Document Number : 2887643

Purpose of Application

The purpose of this application was to register a new technical grade active ingredient, BCS Metsulfuron-methyl Technical.

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

BCS Metsulfuron-methyl Technical has the following properties:

Property	Result
Colour and physical state	White to pale yellow
Nominal concentration	99.1%
Odour	Faint, sweet ester-like odour
Density	1.47 g/mL
Vapour pressure	7.7134 mPa (25°C)
pH	4.1
Solubility in water	109 mg/L (25°C)
n-Octanol/water partition coefficient	Log K _{ow} = 0.018

The required chemistry data for BCS Metsulfuron-methyl 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 register BCS Metsulfuron-methyl Technical.

References

PMRA

Document

Number	Reference
2811035	2017, BCS Metsulfuron-methyl Technical - Information to Address PMRA DACO Elements 2.1 to 2.9, DACO: 2.1, 2.2, 2.3, 2.3.1, 2.4, 2.5, 2.6, 2.7, 2.8,2.9 CBI
2811036	2017, Metsulfuron-methyl (BCS-AC12303, AE F075736, DPX-T6376) Description of the Manufacturing Process of the Technical Grade Active Substance, DACO: 2.11.1, 2.11.2, 2.11.3 CBI
2811037	2017, Impurities of Metsulfuron-methyl Technical Material Description, Formation & Justification, DACO: 2.11.4 CBI
2811038	2017, Material accountability of technical metsulfuron-methyl (AE F075736), DACO: 2.12.1, 2.13.3 CBI
2811040	2017, Analytical Method - Determination of metsulfuron-methyl (AE F075736) in technical grade and pure active substance by high performance liquid chromatography (HPLC), DACO: 2.13.1, 2.13.2 CBI
2811041	2017, Analytical method - Determination of by-products in pure and technical grade metsulfuron-methyl (AE F075736) by high performance liquid chromatography (HPLC), DACO: 2.13.1, 2.13.2 CBI
2811042	2017, Validation of the HPLC analytical method AM047817FP1 - Determination of by-products in pure and technical grade metsulfuron-methyl (AE F075736) by high performance liquid chromatography (HPLC), DACO: 2.13.1, 2.13.2 CBI
2811043	2017, Determination of the solvent [CBI removed] (AE F125577) in pure and technical grade Metsulfuron-methyl (AE F075736) by gas Chromatography (GC), DACO: 2.13.1, 2.13.2 CBI
2811044	2017, Validation of the GC analytical method AM048317FP1 - Determination of the solvent [CBI removed] (AE F125577) in technical grade and pure Metsulfuron-methyl (AE F075736) by gas chromatography (GC) - Final report, DACO: 2.13.1, 2.13.2 CBI
2811045	2017, BCS Metsulfuron-methyl Technical - Information to Address PMRA DACO Elements 2.14.1 to 2.14.16, DACO: 2.14.1, 2.14.10, 2.14.11, 2.14.12, 2.14.13, 2.14.14, 2.14.15,2.14.16, 2.14.2, 2.14.3, 2.14.4, 2.14.5, 2.14.6, 2.14.7, 2.14.8, 2.14.9 CBI

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