

Evaluation Report for Category B, Subcategory 1.1, 1.3 Application

Application Number: 2015-1149
Application: B.1.1 - New source
 B.1.3 - New specifications
Product: Cheminova Thifensulfuron-Methyl Technical
Registration Number: 29448
Active ingredients (a.i.): Thifensulfuron-Methyl
PMRA Document Number : 2585730

Purpose of Application

The purpose of this application was to add a new source for Cheminova Thifensulfuron-Methyl Technical.

Chemistry Assessment

Common Name: Thifensulfuron-methyl
IUPAC* Chemical Name: Methyl 3-[[[(4-methoxy-6-methyl-1,3,5-triazin-2-yl)carbamoyl]sulfamoyl]thiophene-2-carboxylate
 OR
 methyl 3-(4-methoxy-6-methyl-1,3,5-triazin-2-ylcarbamoylsulfamoyl)thiophen-2-carboxylate
CAS† Chemical Name: methyl 3-[[[(4-methoxy-6-methyl-1,3,5-triazin-2-yl)amino]carbonyl]amino]sulfonyl]-2-thiophenecarboxylate

* International Union of Pure and Applied Chemistry

† Chemical Abstracts Service

Cheminova Thifensulfuron-methyl Technical has the following properties:

Property	Result
Colour and physical state	White solid
Nominal concentration	98%
Odour	Odourless
Density	1.03 g/mL
Vapour pressure	0.75×10^{-5} mPa at 20 °C
pH	4.03 (1% aqueous solution)

Solubility in water	<u>pH</u>	<u>solubility (g/L)</u>
	5	0.233
	7	2.24
	9	8.83
n-Octanol/water partition coefficient	<u>pH</u>	<u>log Kow</u>
	5	1.06
	7	0.02
	9	0.0079

The chemistry requirements for Cheminova Thifensulfuron-methyl Technical have been fulfilled.

Health Assessments

The new source of Cheminova Thifensulfuron-Methyl Technical product is toxicologically equivalent to that of the original source.

Environmental and Value Assessment

Environmental and value assessments were not required for this application.

Conclusion

PMRA has conducted a critical review of the information provided in support of a new source for Cheminova Thifensulfuron-Methyl Technical. Based on the results of this review, the new source for Cheminova Thifensulfuron-Methyl Technical is acceptable for full registration.

References

- 2515642 2015, Part 2 - Chemistry Requirements for TGAI, DACO: 2.0 CBI
2515643 2014, Thifensulfuron-methyl Technical Manufacturing Process and Synthesis Pathway;, DACO: 2.11.1,2.11.2,2.11.3 CBI
2515644 2015, Discussion of the possible formation of [CBI Removed] , DACO: 2.11.4 CBI
2515645 2014, Identification and determination of active ingredient Thifensulfuron-methyl (CAS No. 79277-27-3) and [CBI Removed] in five samples of Thifensulfuron-methyl Technical, Batch Nos.: 6, 10, 17, 29, and 37., DACO: 2.13.2,2.13.3 CBI

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