

Evaluation Report for Category L, Subcategory 1.1 Application

Application Number: 2017-8219
Application: Submissions subject to the Protection of Proprietary Interests in Pesticide policy -Equivalency/Data Compensation Assessment
Product: Sharda Thifensulfuron-Methyl Technical
Registration Number: 33371
Active ingredient (a.i.): Thifensulfuron-methyl
PMRA Document Number: 2930980

Purpose of Application

The purpose of this application was to register a new source of technical-grade thifensulfuron-methyl based on a registered precedent product.

Chemistry Assessment

Common Name: Thifensulfuron-methyl
IUPAC* Chemical Name: methyl 3-(4-methoxy-6-methyl-1,3,5-triazin-2-ylcarbamoylsulfamoyl)thiophene-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

Sharda Thifensulfuron-Methyl Technical has the following properties:

Property	Result
Colour and physical state	White solid
Nominal concentration	98.5%
Odour	Chemical odour
Density	0.2 -0.3 g/mL
Vapour pressure	0.86 × 10 ⁻⁵ mPa at 20°C 1.20 × 10 ⁻⁵ mPa at 25°C
pH	4.6 – 4.8
Solubility in water	78.5 mg/L at 30°C

Property	Result
n-Octanol/water partition coefficient	Log K _{ow} = 0.823

The required chemistry data for Sharda Thifensulfuron-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 it sufficient to support the registration of Sharda Thifensulfuron-Methyl Technical.

References

- 2837047 2017, Manufacturing Summary, DACO: 2.11.1,2.11.2,2.11.3,2.11.4 CBI
- 2837048 2015, Preliminary Analysis, DACO: 2.13,2.13.1,2.13.2,2.13.3 CBI
- 2837049 2015, Batch Data, DACO: 2.13.1,2.13.3,2.13.4 CBI
- 2837050 2016, Batch Data, DACO: 2.13.3 CBI
- 2837051 2016, Physical and Chemical Properties and Accelerated Storage Stability Test for Thifensulfuron-Methyl Technical (Technical Material, 98.88% w/w Thifensulfuron-Methyl) – (CBI removed) 2015 -, DACO: 2.14,2.14.1,2.14.11,2.14.14,2.14.15,2.14.2,2.14.3,2.14.4,2.14.7,2.14.8,830.7000
- 2837052 2017, Amendment 1 to Final Report E15-0013, DACO: 2.14.6
2017, Determination of Dissociation Constant of Thifensulfuron Methyl Technical,
- 2837053 DACO: 2.14.10
2017, Determination of Vapour Pressure of Thifensulfuron Methyl Technical, DACO:
- 2837054 2.14.9
- 2837055 2017, UV-Vis Absorption Spectra of Thifensulfuron Methyl Technical, DACO: 2.14.12
- 2837056 2017, Stability to Normal, Elevated Temperatures, Metals and Metal Ions of Thifensulfuron Methyl Technical, DACO: 2.14.13
- 2894775 2018, Response to clarification request for (CBI removed), DACO: 2.11,2.11.2,2.13.3

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