

Evaluation Report for Category B, Subcategory 1.1, 1.3 Application

Application Number: 2016-4663
Application: Changes to Technical Grade Active Ingredient Product Chemistry – New Source (site) same registrant and Specifications
Product: SENCOR TECHNICAL
Registration Number: 20537
Active ingredients (a.i.): Metribuzin
PMRA Document Number: 2752224

Purpose of Application

The purpose of this application was to amend the registration of SENCOR TECHNICAL to add a manufacturing method.

Chemistry Assessment

Common Name: Metribuzin
IUPAC* Chemical Name: 4-amino-6-*tert*-butyl-4,5-dihydro-3-methylthio-1,2,4-triazin-5-one
CAS† Chemical Name: 4-amino-6-(1,1-dimethylethyl)-3-(methylthio)-1,2,4-triazin-5(4*H*)-one

* International Union of Pure and Applied Chemistry

† Chemical Abstracts Service

SENCOR TECHNICAL has the following properties:

Property	Result
Colour and physical state	Grey solid
Nominal concentration	95.4 %
Odour	Weak characteristic
Density	1.27 g/mL
Vapour pressure	0.13 mPa (at 25°C)
pH	5.5 (1 % solution)
Solubility in water	1.05 g/L (20°C)

Property	Result
n-Octanol/water partition coefficient	Log K _{ow} = 1.60

The required chemistry data for SENCOR 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 available information and found it sufficient to support the addition of a manufacturing method to the technical product SENCOR TECHNICAL.

References

PMRA Document Number	References
2669640	2016, MSDS for [CBI Removed], DACO: 2.11.2 CBI
2669639	2016, Statement Regarding the proposed alternate Manufacturing Process for the production of Metribuzin Technical Grade Active Substance (Sencor) at [CBI Removed] for Canada, DACO: 2.11.1,2.11.2,2.11.3,2.11.4 CBI
2682248	2016, Material accountability of technical Metribuzin (AE F055208), DACO: 2.13.2,2.13.3 CBI

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