

Evaluation Report for Category L, Subcategory 1.1 Application

Application Number: 2022-5496
Application: Application Subject to Protection of Proprietary Interests in Pesticide Data (PIIP) Policy – Equivalency/Data Compensation Assessment
Product: Aceto EPTC Technical
Registration Number: 35110
Active ingredient (a.i.): EPTC
PMRA Document Number: 3522904

Purpose of Application

The purpose of this application was to register Aceto EPTC Technical, a new source of EPTC, based on a registered precedent product.

Chemistry Assessment

Common Name: EPTC
IUPAC* Chemical Name: S-ethyl dipropylcarbamothioate
CAS† Chemical Name: S-ethyl N,N-dipropylcarbamothioate

* International Union of Pure and Applied Chemistry

† Chemical Abstracts Service

Aceto EPTC Technical has the following properties:

Property	Result
Colour and physical state	Light yellow liquid
Nominal concentration	98.83 %
Odour	Unpleasant, strong pungent, chemical-like and sulfur-like
Density	0.96 g/mL at 20°C
Vapour pressure	4.57 Pa at 25°C
pH	N/A
Solubility in water	378 mg/L at 20°C
n-Octanol/water partition coefficient	$\log P_{ow} = 3.27$

The required chemistry data for Aceto EPTC 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 acceptable to support the registration of Aceto EPTC Technical.

References

PMRA

Document

Number	Reference
3397558	2022, Five Batch Analysis of EPTC Technical as per SANCO 3030/99 rev. 5, DACO: 2.13.1,2.13.2,2.13.3,2.13.4
3397559	2015, Physical and Chemical Characteristics: Color, Physical State, Odor, Boiling Point, Density/Relative Density, and UV/Visible Absorption, DACO: 2.14.1,2.14.12,2.14.2,2.14.3,2.14.5,2.14.6
3397560	2022, Determination of Dissociation Constant of EPTC Technical (Batch No. EPT402210015) in Water as per OPPTS Guideline 830.7370 and OEDC Guideline 112, DACO: 2.14.10
3397561	2022, Determination of Partition Coefficient (Pow) of EPTC Technical (Batch No. EPT402210015) as per OPPTS Guideline 830.7550, OPPTS 830.7570, OEDC Guideline 107 and OEDC Guideline 117, DACO: 2.14.11
3397562	2022, Determination of UV-Visible Absorption Spectrum of EPTC Technical (Batch No. EPT402210015) as per OPPTS Guideline 830.7050 and OEDC Guideline 101, DACO: 2.14.12
3397563	2022, Aceto EPTC Technical, Physical and Chemical Properties-Product Chemistry Data Waiver Requests, DACO: 2.14.13,2.14.15,830.7000
3397564	2022, Determination of Boiling Point/Range of EPTC Technical (Batch No. EPT402210015) as per OPPTS Guideline 830.7220 and OEDC Guideline 103, DACO: 2.14.5
3397565	2022, Determination of Relative Density of EPTC Technical (Batch No. EPT402210015) as per OPPTS Guideline 830.7300 and OEDC Guideline 109, DACO: 2.14.6
3397566	2022, Determination of Water Solubility of EPTC Technical (Batch No. EPT402210015) as per OEDC Guideline 105, OPPTS 830.7840 and 830.7860, DACO: 2.14.7
3397567	2022, Determination of Vapour Pressure of EPTC Technical (Batch No. EPT402210015) as per OPPTS Guideline 830.7950 and OEDC Guideline 104, DACO: 2.14.9
3397572	2022, Aceto EPTC Technical, Product Chemistry, Group A: Product Identity and Composition, DACO: 2.11.1,2.11.2,2.11.3,2.11.4,2.12.1,2.14.14,2.2,2.3,2.4,2.5,2.6,2.7,2.8,2.9 CBI
3456445	2023, Method Validation and Quantification of [CBI REMOVED] in EPTC Technical Five Batches as per SANCO 3030/99 rev. 5, DACO: 2.13.1,2.13.2,2.13.3,2.13.4 CBI

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