

Evaluation Report for Category L, Subcategory 1.1 Application

Application Number: 2021-0312
Application: Submissions Subject to Protection of Proprietary Interests in Pesticide Data Policy/ Data Compensation Assessment
Product: Aceto Imazamox Technical
Registration Number: 34389
Active ingredient (a.i.): Imazamox
PMRA Document Number: 3295352

Purpose of Application

The purpose of this application was to register a new source of imazamox, Aceto Imazamox Technical, based on a precedent.

Chemistry Assessment

Common Name: Imazamox
IUPAC* Chemical Name: 2-[(4*RS*)-4-isopropyl-4-methyl-5-oxo-2-imidazolin-2-yl]-5-(methoxymethyl)pyridine-3-carboxylic acid
CAS† Chemical Name: 2-[4,5-dihydro-4-methyl-4-(1-methylethyl)-5-oxo-1*H*-imidazol-2-yl]-5-(methoxymethyl)-3-pyridinecarboxylic acid

* International Union of Pure and Applied Chemistry

† Chemical Abstracts Service

Aceto Imazamox Technical has the following properties:

Property	Result
Colour and physical state	White solid
Nominal concentration	98.59 %
Odour	No specific odour
Density	1.32 – 1.33 g/mL at 20°C
Vapour pressure	2.1 x 10 ⁻⁷ mPa at 25°C
pH	2.85 (1% solution)
Solubility in water	4.16 g/L (DW), 116 g/L (pH 5), >626 g/L (pH 7), >628 (pH 9)

Property	Result
n-Octanol/water partition coefficient	log K _{ow} = -2.9 (pH 7), -0.3 (pH 4)

The required chemistry data for Aceto Imazamox 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 provide and has found it sufficient to support the registration of Aceto Imazamox Technical.

References

PMRA Document Number	References
3194033	2021, Additional Chemistry Information for Aceto Imazamox Technical - Parent, DACO: 2.1,2.13.3,2.14.8,2.2,2.3,2.3.1
3194035	2021, DACO: 2.11.1,2.11.2,2.11.3,2.11.4,2.12.1 CBI
3194036	2021, Aceto Imazamox Technical, Physical and Chemical Properties - Product Chemistry Data Waiver Requests, DACO: 2.14.10,2.14.11,2.14.5,2.14.7,2.14.9
3194037	2015, Five Batches Analysis of Imazamox Technical, DACO: 2.11.4,2.13.1, 2.13.2,2.13.3,2.13.4 CBI
3194038	2015, Color, Physical State, Odor, pH and Density Test of Imazamox TC, DACO: 2.14.1,2.14.15,2.14.2,2.14.3,2.14.6,830.7000
3194039	2015, Storage Stability and Corrosion Characteristics, Oxidation-Reduction Chemical Incompatibility Test of Imazamox TC, DACO: 2.14.13,2.14.14,2.4, 2.5,2.6,2.7,2.8,2.9
3194040	2015, UV/VIS Absorption Spectrum test of Imazamox TC, DACO: 2.14.12
3194041	2015, Melting Point Test of Imazamox TC, DACO: 2.14.4

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