



Evaluation Report for Category B, Subcategory 1.1 Application

Application Number: 2016-3449
Application: B.1.1: New Source Same Registrant
Product: ADAMA Imazethapyr Technical Herbicide
Registration Number: 30016
Active ingredients (a.i.): Imazethapyr
PMRA Document Number: 2758046

Purpose of Application

The purpose of this application was to add a new source of imazethapyr to the currently registered product, ADAMA Imazethapyr Technical Herbicide.

Chemistry Assessment

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

* International Union of Pure and Applied Chemistry

† Chemical Abstracts Service

ADAMA Imazethapyr Technical Herbicide has the following properties:

Property	Result
Colour and physical state	Off-white / tan solid
Nominal concentration	97.0%
Odour	Fruity
Bulk density	0.62 g/mL
Vapour pressure	8.5×10^{-8} Pa (at 25°C)
pH	N/A
Solubility in water	1.19 g/L (20°C, pH 3)
n-Octanol/water partition coefficient	Log K_{ow} = 0.870

The required chemistry data for ADAMA Imazethapyr Technical Herbicide have been provided, reviewed, and found to be acceptable.

Health, Environmental and Value Assessment

Health, environmental and value assessments were not required for this application.

Conclusion

The PMRA has reviewed the information provided in support of adding a new source to the registered product ADAMA Imazethapyr Technical Herbicide. Based on the results of this review, the new source is acceptable for full registration.

References

PMRA Document Number

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