

## Evaluation Report for Category B, Subcategory 1.1 Application

**Application Number:** 2019-0411  
**Application:** B.1.1: New Source – Same Registrant  
**Product:** Isoxaben Technical Herbicide  
**Registration Number:** 24204  
**Active ingredients (a.i.):** Isoxaben  
**PMRA Document Number:** 3089506

### Purpose of Application

The purpose of this application was to add a new source of Isoxaben Technical Herbicide.

### Chemistry Assessment

Common Name: Isoxaben  
 IUPAC\* Chemical Name: *N*-[3-(1-ethyl-1-methylpropyl)isoxazol-5-yl]-2,6-dimethoxybenzamide  
 CAS† Chemical Name: *N*-[3-(1-ethyl-1-methylpropyl)-5-isoxazolyl]-2,6-dimethoxybenzamide

\* International Union of Pure and Applied Chemistry

† Chemical Abstracts Service

### Isoxaben Technical Herbicide has the following properties:

Property	Result
Colour and physical state	Colourless solid
Nominal concentration	93.5%
Odour	Not applicable since the product is solid
Density	0.52-0.56 g/mL
Vapour pressure	0.00055 mPa (20°C)
pH	The product is solid
Solubility in water	0.93 g/L
n-Octanol/water partition coefficient	log Kow = 3.9 (pH 7)

The required chemistry data for Isoxaben Technical Herbicide 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**

PMRA has reviewed the information provided in support of the new source of Isoxaben Technical. Based on the results of this review, the new source is acceptable for registration.

## References

- 2956626 2019, Part 2 Chemistry, name & address, Isoxaben Tech PCP 24204, DACO: 2.1,2.2,2.3 CBI
- 2956627 2018, Group A-Product Identity and Composition, Description of Materials Used to Produce the Product, Description of Production Process, Discussion of Formation of Impurities, Preliminary Analysis, Certified Limits, and Enforcement Analytical Method for Isoxaben, DACO: 2.1,2.10, 2.11,2.11.1,2.11.2,2.11.3,2.11.4,2.12,2.12.1,2.13,2.13.1,2.13.2,2.13.3,2.13.4,2.2,2.3, 2.3.1,2.4,2.5,2.6,2.7,2.8,2.9 CBI
- 3085812 2020, 2.13.3, 2.13.4 DAS Deficiency Response, Isoxaben Tech 19-0411, 13Feb2020, DACO: 2.13.3,2.13.4 CBI

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