

## Evaluation Report for Category L, Subcategory 1.1 Application

**Application Number:** 2021-2089  
**Application:** Submissions Subject to Protection of Proprietary Interests in Pesticide Data Policy/ Data Compensation Assessment  
**Product:** FBN Pinoxaden Technical  
**Registration Number:** 34706  
**Active ingredient (a.i.):** Pinoxaden  
**PMRA Document Number :** 3367998

### Purpose of Application

The purpose of this application was to register a new source of pinoxaden, FBN Pinoxaden Technical, based on a precedent.

### Chemistry Assessment

**Common Name:** Pinoxaden  
**IUPAC\* Chemical Name:** 8-(2,6-diethyl-4-methylphenyl)-7-oxo-1,2,4,5-tetrahydro-7H-pyrazolo[1,2-d][1,4,5]oxadiazepin-9-yl 2,2-dimethylpropanoate  
**CAS† Chemical Name:** 8-(2,6-diethyl-4-methylphenyl)-1,2,4,5-tetrahydro-7-oxo-7H-pyrazolo[1,2-d][1,4,5]oxadiazepin-9-yl 2,2-dimethylpropanoate

\* International Union of Pure and Applied Chemistry

† Chemical Abstracts Service

FBN Pinoxaden Technical has the following properties:

Property	Result
Colour and physical state	White solid
Nominal concentration	98.55%
Odour	Odourless
Density	1.22 g/mL at 20°C
Vapour pressure	2.0 x 10 <sup>-4</sup> mPa at 20°C 4.6 x 10 <sup>-4</sup> mPa at 25°C
pH	4.5
Solubility in water	220 mg/L at 25°C

Property	Result
n-Octanol/water partition coefficient	log K <sub>ow</sub> = 3.2

The required chemistry data for FBN Pinoxaden 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 FBN Pinoxaden Technical.

### References

PMRA Document Number	References
3231148	2021, FBN Pinoxaden Technical Herbicide Source A - Product Identity and Composition, Description of Materials, Description of Production Process, Discussion of Formation and Toxicity of Impurities and Certified Limits, DACO: 2.11.1,2.11.2,2.11.3,2.11.4,2.12.1,2.13.4,2.4,2.5 CBI
3231153	2016, FINAL REPORT Study Number: 0129 Study Title: Five Batches Analysis of Pinoxaden Technical, DACO: 2.13.1,2.13.2,2.13.3 CBI
3231156	2016, FINAL REPORT Study Number: 0130 Study Title: Physico-chemical properties of Pinoxaden Technical, DACO: 2.14.1,2.14.12,2.14.13,2.14.15,2.14.2,2.14.3,2.14.4,2.14.6,3.5.8,830.7000 CBI
3231157	Anonymous, 2021, Pinoxaden C <sub>23</sub> H <sub>32</sub> N <sub>2</sub> O <sub>4</sub> - PubChem-phys-chem properties-TGAI, DACO: 2.14.10,2.14.11,2.14.7,2.14.8,2.14.9
3279192	2021, FBN Pinoxaden Technical Herbicide Source A - Product Identity and Composition, Description of Materials, Description of Production Process, Discussion of Formation and Toxicity of Impurities and Certified Limits - AMENDED REPORT, DACO: 2.11.1,2.11.2,2.11.3,2.11.4,2.12.1,2.13.4,2.4,2.5 CBI
3279193	2021, [CBI Removed] Test of Pinoxaden Technical, DACO: 2.13.1,2.13.2,2.13.3,2.13.4 CBI
3360706	2022, Amendment to Final Report (No.:01 ) Study Number: 0129 Study Title: Five Batches Analysis of Pinoxaden Technical, DACO 2.13.4 CBI
3360707	2022, Amendment to the Final Report (No.01) - Study Number 0410: [CBI Removed] Test of Pinoxaden Technical, DACO: 2.13.3 CBI

3361962 2022, Amendment to Final Report (No.:01 ) Study Number: 0129 Study Title:  
Five Batches Analysis of Pinoxaden Technical, DACO 2.13.4 CBI

3361963 2022, Amendment to the Final Report (No.01) - Study Number 0410: [CBI  
Removed] Test of Pinoxaden Technical, DACO: 2.13.3 CBI

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