

## Evaluation Report for Category L, Subcategory 1.1 Application

**Application Number:** 2022-6563  
**Application:** Application Subject to the Protection of Proprietary Interests in Pesticide Data (PIIP) policy - Equivalency/Data Compensation Assessment  
**Product:** Trustchem Pinoxaden Technical  
**Registration Number:** 35019  
**Active ingredient (a.i.):** Pinoxaden  
**PMRA Document Number:** 3500667

### Purpose of Application

The purpose of this application was to register a new pinoxaden technical grade active ingredient, Trustchem Pinoxaden Technical, based on a registered precedent product.

### 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

Trustchem Pinoxaden Technical has the following properties:

Property	Result
Colour and physical state	Yellow solid
Nominal concentration	98.15%
Odour	Characteristic odour
Density	1172.9 g/L at 20°C
Vapour pressure	1.18 x 10 <sup>-5</sup> mPa at 25°C
pH	4.08
Solubility in water	218.48 mg/L (pH 4.04)

Property	Result
n-Octanol/water partition coefficient	log K <sub>ow</sub> = 3.70 (pH 7.15, 25°C)

The required chemistry data for Trustchem 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 provided, and has found the information acceptable to support the registration of Trustchem Pinoxaden Technical.

## References

### PMRA

#### Document

Number	Reference
3419455	2019, Physical State, Appearance, Color and Odor of Pinoxaden TGAI, DACO: 2.14.1,2.14.2,2.14.3
3419456	2019, Dissociation constant in water of Pinoxaden TGAI, DACO: 2.14.10
3419457	2019, Partition coefficient (N-Octanol/water) of Pinoxaden TGAI, DACO: 2.14.11
3419458	2020, UV-VIS absorption spectra of Pinoxaden TGAI, DACO: 2.14.12
3419459	2019, Accelerated Storage Stability and Corrosion Characteristics of Pinoxaden TGAI, DACO: 2.14.13,2.14.14
3419460	2019, Determination of the pH value of an aqueous solution of Pinoxaden TGAI, DACO: 2.14.15,830.7000
3419461	2019, Melting point or range of Pinoxaden TGAI, DACO: 2.14.4
3419462	2019, Determination of the Relative Density of Pinoxaden TGAI, DACO: 2.14.6
3419463	2020, Solubility in water and organic solvents (Acetone and n-Hexane) of Pinoxaden TGAI, DACO: 2.14.7,2.14.8
3419464	2019, Vapour pressure of Pinoxaden TGAI, DACO: 2.14.9
3426181	2022, Manufacturing process of Trustchem Pinoxaden technical, DACO: 2.11.1,2.11.3,2.11.4 CBI
3426183	2020, Qualitative and Quantitative Profile of Pinoxaden TGAI (Five Batch Analysis), DACO: 2.13.1,2.13.2,2.13.3,2.13.4
3426184	2020, Qualitative and Quantitative Profile of Pinoxaden TGAI (Five Batch Analysis), DACO: 2.13.1,2.13.2,2.13.3,2.13.4

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