

## Evaluation Report for Category L, Subcategory 1.1 Application

**Application Number:** 2020-0616  
**Application:** Submission Subject to *Protection of Proprietary Interests in Pesticide Data Policy*- Equivalency/Data Compensation Assessment  
**Product:** Maxunitech Pinoxaden Technical  
**Registration Number:** 34373  
**Active ingredient (a.i.):** Pinoxaden  
**PMRA Document Number:** 3147206

### Purpose of Application

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

### Chemistry Assessment

**Common Name:** Pinoxaden  
**IUPAC\* 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  
**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

Maxunitech Pinoxaden Technical has the following properties:

Property	Result
Colour and physical state	Light yellow solid
Nominal concentration	97.7%
Odour	Pungent
Density	1.11 – 1.16 g/mL
Vapour pressure	$2.0 \times 10^{-7}$ Pa at 20°C
pH	4 – 4.5 (1% dilution)
Solubility in water	200 mg/L

Property	Result
n-Octanol/water partition coefficient	$\log K_{ow} = 3.2$

The required chemistry data for Maxunitech 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 sufficient to support the registration of Maxunitech Pinoxaden Technical.

## References

<b>PMRA Document Number</b>	<b>References</b>
3091642	2020, Purity Profile of 5 Batches of Pinoxaden Technical, DACO: 2.13,2.13.1,2.13.2,2.13.3,2.13.4 CBI
3091646	2020, Manufacturing Process for Maxunitech Pinoxaden Technical, DACO: 2.11,2.11.1,2.11.2,2.11.3,2.11.4 CBI
3091647	2020, Technical Grade Active Ingredient Chemistry Summary Information and Selected Physical and Chemical Properties: Maxunitech Pinoxaden Technical, DACO: 2.1,2.12.1,2.14.10,2.14.11,2.14.12,2.14.13,2.14.14,2.14.4,2.14.5,2.14.7,2.14.8,2.14.9,2.2,2.3,2.3.1,2.4,2.5,2.6,2.7,2.8,2.9 CBI
3091648	2020, Physical and Chemical Properties Analysis of Pinoxaden Technical, DACO: 2.14.1,2.14.15,2.14.2,2.14.3,2.14.6,830.7000 CBI
3144979	2020, Updated Manufacturing Process for Pinoxaden Technical, DACO: 2.11,2.11.1,2.11.2,2.11.3,2.11.4 CBI

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