

## Evaluation Report for Category B, Subcategory 1.1 Application

**Application Number:** 2009-1246  
**Application:** B.1.1-Changes to TGAI Product Chemistry-New Source, same registrant  
**Product:** Pymetrozine Technical  
**Registration Number:** 27272  
**Active ingredients (a.i.):** Pymetrozine (PZN)  
**PMRA Document Number English PDF:** 2023090

### Purpose of Application

The purpose of this application was to add a new manufacturing source/site to Pymetrozine Technical.

### Chemistry Assessment

Common name: pymetrozine  
IUPAC Chemical name: (*E*)-4,5-dihydro-6-methyl-4-(3-pyridylmethyleneamino)-1,2,4-triazin-3(*2H*)-one  
CAS Chemical name: 1,2,4-Triazin-3(*2H*)-one, 4,5-dihydro-6-methyl-4-[(*E*)-(3-pyridinylmethylene)amino]-

Pymetrozine Technical has the following properties:

Property	Results
Colour and physical state	White to beige granular solid
Nominal concentration	98.3 %
Odour	Slightly sweet odour
Density	1.36 g/cm <sup>3</sup>
Vapour pressure	< 4 × 10 <sup>-6</sup> Pa
pH	5 – 7 (1 % in water)
Solubility in water	270 mg/L at pH 7-9; 320 mg/L at pH 5
n-Octanol/water partition coefficient	log K <sub>ow</sub> = -0.2

The chemistry requirements for Pymetrozine Technical have been completed.

### 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 in support of the product, Pymetrozine Technical, and has found the information sufficient to add a new manufacturing source/site.

## References

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