



## Evaluation Report for Category B, Subcategory 1.1 Application

**Application Number:** 2019-0593  
**Application:** B.1.1: New Source Same Registrant  
**Product:** Paclobutrazol Technical  
**Registration Number:** 24198  
**Active ingredients (a.i.):** Paclobutrazol  
**PMRA Document Number:** 3050125

### Purpose of Application

The purpose of this application was to add a new source to Paclobutrazol Technical (Reg. No. 24198).

### Chemistry Assessment

Common Name: paclobutrazol  
IUPAC\* Chemical Name: (2*RS*,3*RS*)-1-(4-chlorophenyl)-4,4-dimethyl-2-(1*H*-1,2,4-triazol-1-yl)pentan-3-ol  
CAS† Chemical Name: ( $\alpha$ *R*, $\beta$ *R*)-*rel*- $\beta$ -[(4-chlorophenyl)methyl]- $\alpha$ -(1,1-dimethylethyl)-1*H*-1,2,4-triazole-1-ethanol

\* International Union of Pure and Applied Chemistry

† Chemical Abstracts Service

Paclobutrazol Technical has the following properties:

Property	Result
Colour and physical state	Beige granule
Nominal concentration	96.9 %
Odour	Odourless
Density	1.23 g/cm <sup>3</sup>
Vapour pressure	0.0019 mPa at 20°C
pH	Neutral (1% aqueous suspension)
Solubility in water	22.9 mg/L
n-Octanol/water partition coefficient	log K <sub>ow</sub> = 3.11

The required chemistry data for Paclobutrazol 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 PMRA has reviewed the information provided in support of the new source. Based on the results of this review, the new source is acceptable.

## References

- 2961670 2019, Paclbutrazol Technical (PP333) – Manufacturing Process Description and Supporting Data - Product Chemistry Volume, DACO: 2.1,2.11.1,2.11.2,2.11.3, 2.11.4,2.12.1,2.12.2,2.13.1,2.13.2,2.13.3,2.13.4,2.2, CBI

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