

## Evaluation Report for Category B, Subcategory 1.1 Application

**Application Number:** 2019-4325  
**Application:** Changes to TGAI Product Chemistry-New Source (site); same registrant  
**Product:** Clomazone (Command) Technical  
**Registration Number:** 22346  
**Active ingredient (a.i.):** Clomazone  
**PMRA Document Number:** 3076935

### Purpose of Application

The purpose of this application was to add a new source of technical grade clomazone by the current registrant.

### Chemistry Assessment

Common Name: Clomazone  
 IUPAC\* Chemical Name: 2-(2-chlorobenzyl)-4,4-dimethylisoxazolidin-3-one  
 CAS† Chemical Name: 2-[(2-chlorophenyl)methyl]-4,4-dimethyl-3-isoxazolidinone

\* International Union of Pure and Applied Chemistry

† Chemical Abstracts Service

Clomazone (Command) Technical has the following properties:

Property	Result
Colour and physical state	Colourless to very pale yellow liquid
Nominal concentration	92.9 %
Odour	Light fatty acid
Density	1.187 g/mL
Vapour pressure	$1.92 \times 10^{-2}$ Pa (at 25°C)
pH	6.89 (1% solution in water)
Solubility in water	1.1 g/L
n-Octanol/water partition coefficient	log Kow = 2.54

The required chemistry data for Clomazone (Command) 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 it sufficient to support addition of the new source of clomazone.

## References

- 3054361 2019, Technical Report: Industrial Synthesis and Formation of Impurities, DACO: 2.11 CBI
- 3026242 2011, Clomazone Technical [CBI Removed]: Analysis and Certification of Product Ingredients, DACO: 2.13.1,2.13.3,2.3.1,2.4,2.5,2.6,2.7,2.8,2.9 CBI
- 3054362 2008, HPLC Internal Standard Method for Clomazone Assay, DACO: 2.13.1 CBI
- 3054363 2017, Method validation report For [CBI Removed] procedure for determination of [CBI Removed] in Clomazone Technical , DACO: 2.13.1 CBI
- 3054364 2008, [CBI Removed] Procedure for the determination of impurities in Technical Clomazone, DACO: 2.13.1 CBI

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