Health Canada Santé Canada

Evaluation Report for Category L, Subcategory 1.1 Application

Application Number: 2019-6059
Application: Submissions Subject to Protection of Proprietary Interests in Pesticide Data Policy/ Data Compensation Assessment
Product: Sharda Clomazone Technical
Registration Number: #####
Active ingredient (a.i.): Clomazone
PMRA Document Number 3178079

Purpose of Application

The purpose of this application was to register Sharda Clomazone Technical, based on a precedent.

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

Sharda Clomazone Technical has the following properties:

Property	Result
Colour and physical state	White powder
Nominal concentration	99.9 %
Odour	characteristic odour
Density	1.2339 g/mL
Vapour pressure	9.42 x 10^{-2} Pa (at 25˚C)
pH	5.1 (1% solution in water)
Solubility in water	1.28 g/L (20˚C)
n-Octanol/water partition coefficient	log Kow = 2.72

The required chemistry data for Sharda Clomazone 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 provide and has found it sufficient to support the registration of Sharda Clomazone Technical.

References

PMRA Document Number	References
3047731	2019, Clomazone manufacturing process and impurities formation description, DACO: 2.11.1,2.11.2,2.11.3,2.11.4 CBI
3047735	2017, Clomazone Technical: [CBI removed] Screening for Impurities Content in Five Batch Samples, DACO: 2.13.1,2.13.2,2.13.4 CBI
3047733	2017, Clomazone Technical: Complete Analysis of Five Batch Samples, DACO: 2.13.3 CBI
3047732	2017, Clomazone Technical: Validation of the Analytical Method for the Determination of the Active Ingredient Content, DACO: 2.13.1,2.13.2
3047737	2017, Clomazone Technical: Spectroscopic Characterisation, DACO: 2.14.12
3047736	2017, Clomazone Technical: Determination of the Physico-chemical Properties, DACO: 2.14.1, 2.14.10, 2.14.11, 2.14.12, 2.14.13, 2.14.15, 2.14.2, 2.14.3, 2.14.4, 2.14.5, 2.14.6, 2.14.7, 2.14.8, 2.14.9, 2.16
3047739	2017, Clomazone Technical: Determination of the Accelerated Storage Stability and Corrosion Characteristics, DACO: 2.14.14
3047734	2019, Waiver for Analysis of [CBI removed] as Impurity, DACO: 2.13.4 CBI
3060575	2019, Declaration of Clomazone Technical Source for 5-batch analysis, DACO: 2.13.3 CBI