

Evaluation Report for Category L, Subcategory 1.1 Application

Application Number: 2018-1331
Application: Submissions subject to Protection of Proprietary Interests in Pesticide Data policy-Equivalency/Data Compensation Assessment
Product: Zhongshan Clomazone Technical
Registration Number: 33415
Active ingredient (a.i.): Clomazone
PMRA Document Number: 2964496

Purpose of Application

The purpose of this application was to register a new source of technical-grade clomazone based on a registered 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

Zhongshan Clomazone Technical has the following properties:

Property	Result
Colour and physical state	green-beige solid (at 20°C)
Nominal concentration	97.6%
Odour	odourless
Density	1.30 g/mL at 20°C
Vapour pressure	1.6 x 10 ⁻² Pa (at 25°C)
pH	4.99 (1% suspension in water)
Solubility in water	1.06 g/L (20°C)
n-Octanol/water partition coefficient	log Kow =2.8

The required chemistry data for Zhongshan 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 provided, and has found it sufficient to register Zhongshan Clomazone Technical.

Références

PMRA

Document Number

Référence

2879800	2017, Manufacturing Summary, DACO: 2.11,2.11.1,2.11.2,2.11.3,2.11.4 CBI
2879803	2017, Preliminary Analysis, DACO: 2.13,2.13.1,2.13.2,2.13.3,2.13.4 CBI
2879802	2017, Preliminary Analysis, DACO: 2.13,2.13.1,2.13.2,2.13.3,2.13.4 CBI
2879805	2017, Chemical and Physical Characterization of Clomazone TGAI: Color, Physical State, Odor, DACO: 2.14.1,2.14.2,2.14.3
2879806	2017, Chemical and Physical Characterization of Clomazone TGAI: Melting point and boiling point, DACO: 2.14.4,2.14.5
2879807	2017, Chemical and Physical Characterization of Clomazone TGAI: Density, DACO: 2.14.6
2879808	2017, Chemical and Physical Characterization of Clomazone TGAI: Solubility, DACO: 2.14.7,2.14.8
2879810	2017, Chemical and Physical Characterization of Clomazone TGAI: Vapor pressure, DACO: 2.14.9
2879811	2017, Chemical and Physical Characterization of Clomazone TGAI: Dissociation Constant, DACO: 2.14.10
2879812	2017, Chemical and Physical Characterization of Clomazone TGAI: Partition Coefficient, DACO: 2.14.11
2879813	2017, Chemical and Physical Characterization of Clomazone TGAI: UV-Vis absorption, DACO: 2.14.12
2879814	2017, Chemical and Physical Characterization of Clomazone TGAI: stability and corrosion, DACO: 2.14.13,2.14.14
2879815	2017, Chemical and Physical Characterization of Clomazone TGAI: PH, DACO: 2.14.15,830.7000

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