

Evaluation Report for Category L, Subcategory 1.1 Application

Application Number: 2018-1176
Application: L.1.: Submissions subject to PPIP policy - Equivalency/Data Compensation Assessment
Product: NewAgco Clomazone II Technical
Registration Number: 33409
Active ingredients (a.i.): Clomazone
PMRA Document Number : 2950183

Purpose of Application

The purpose of this application was to register a new source of technical clomazone through the PPIP process

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

NewAgco Clomazone II 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 NewAgco Clomazone II 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 of clomazone. Based on the results of this review, the new source of clomazone is acceptable for registration.

References

- 2862917 2017, MANUFACTURING SUMMARY, DACO: 2.11.1, 2.11.2, 2.11.3, 2.11.4 CBI
- 2862918 2018, DESCRIPTION OF STARTING MATERIALS, DACO: 2.11.2 CBI
- 2876940 2017, CONFIRMATION OF IDENTITY, DACO: 2.13.1,2.13.2,2.13.3 CBI
- 2862919 2017, ESTABLISHING CERTIFIED LIMITS, DACO: 2.12.1,2.13.1,2.13.2,2.13.3,2.13.4 CBI
- 2862921 2017, ODOUR, DACO: 2.14.1,2.14.2,2.14.3 CBI
- 2862922 2017, MELTING POINT/MELTING RANGE, DACO: 2.14.4,2.14.5 CBI
- 2862923 2017, DENSITY OR SPECIFIC GRAVITY, DACO: 2.14.6 CBI
- 2862924 2017, SOLVENT SOLUBILITY (MG/L), DACO: 2.14.7,2.14.8 CBI
- 2862925 2017, VAPOUR PRESSURE, DACO: 2.14.9 CBI
- 2862926 2017, DISSOCIATION CONSTANT, DACO: 2.14.10 CBI
- 2862927 2017, OCTANOL/WATER PARTITION COEFFICIENT, DACO: 2.14.11 CBI
- 2862928 2017, UV/VISIBLE ABSORPTION SPECTRA, DACO: 2.14.12 CBI
- 2862929 2017, STORAGE STABILITY DATA, DACO: 2.14.13,2.14.14 CBI
- 2862930 2017, (pH), DACO: 2.14.15,830.7000 CBI

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