

Evaluation Report for Category L, Subcategory 1.1 Application

Application Number: 2022-1914
Application: Submissions Subject to Protection of Proprietary Interests in Pesticide Data (PIIP) Policy – Equivalency/Data Compensation Assessment
Product: Sharda Dodine Technical
Registration Number: 34889
Active ingredient (a.i.): Dodine
PMRA Document Number: 3440472

Purpose of Application

The purpose of this application was to register Sharda Dodine Technical, a new source of the technical grade active ingredient dodine, based on a registered precedent product.

Common Name: dodine
 IUPAC* Chemical Name: 1-dodecylguanidinium acetate
 CAS† Chemical Name: dodecylguanidine monoacetate

* International Union of Pure and Applied Chemistry

† Chemical Abstracts Service

Sharda Dodine Technical has the following properties:

Property	Result
Colour and physical state	White solid
Nominal concentration	98.6%
Odour	Odourless
Density	1.06 g/mL at 20°C
Vapour pressure	<5.1233 x 10 ⁻⁶ Pa at 20°C
pH	6.98
Solubility in water	1.0 g/L
n-Octanol/water partition coefficient	log K _{ow} = 1.27

The required chemistry data for Sharda Dodine 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 the information acceptable to support the registration of Sharda Dodine Technical.

References

PMRA Document Number	Reference
3353605	2022, The Synthesis and Impurities of Dodine Technical Grade, DACO: 2.11.1,2.11.2,2.11.3,2.11.4 CBI
3353606	2022, [CBI Removed] Concentration, DACO: 2.13.3 CBI
3353610	2021, Solubility of Dodine Technical, DACO: 2.14.7,2.14.8
3353611	2021, Determination of Partition Coefficient (n-Octanol/Water) of Dodine Technical, DACO: 2.14.11
3353612	2021, Determination of Vapour Pressure and Henry's Law Constant of Dodine Technical, DACO: 2.14.9
3353613	2021, Physicochemical Properties of Dodine Technical, DACO: 2.14.10,2.14.12, 2.14.15,2.14.4,2.14.6
3353614	2021, Stability to Normal, Elevated Temperatures, Metals, Metal Ions and Corrosion Characteristics of Dodine Technical, DACO: 2.14.1,2.14.13,2.14.14, 2.14.2,2.14.3
3353615	2021, Five Batch Analysis of Dodine Technical, DACO: 2.13.1,2.13.2,2.13.3 CBI
3353616	2022, Origin Certificate, DACO: 2.13.3 CBI

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