

Evaluation Report for Category L, Subcategory 1.1 Application

Application Number: 2018-1643
Application: Submissions subject to PPIP policy
Product: Sharda Cyromazine Technical
Registration Number: 33584
Active ingredient (a.i.): Cyromazine
PMRA Document Number : 2995599

Purpose of Application

The purpose of this application was to register a new source of cyromazine, Sharda Cyromazine Technical, by a new registrant.

Chemistry Assessment

Common Name: Cyromazine
 IUPAC* Chemical Name: *N*-cyclopropyl-1,3,5-triazine-2,4,6-triamine
 CAS† Chemical Name: *N*-cyclopropyl-1,3,5-triazine-2,4,6-triamine

* International Union of Pure and Applied Chemistry

† Chemical Abstracts Service

Sharda Cyromazine Technical has the following properties:

Property	Result										
Colour and physical state	White solid										
Nominal concentration	99.57%										
Odour	Odourless										
Specific gravity	1.355 at 20.5°C										
Vapour pressure	5.62 x 10 ⁻⁴ mPa at 25°C										
pH	7.93										
Solubility in water	<table border="0"> <tr> <td>pH</td> <td>Solubility (g/L)</td> </tr> <tr> <td>Double distilled Water</td> <td>11.30</td> </tr> <tr> <td>4</td> <td>17.00</td> </tr> <tr> <td>7</td> <td>11.85</td> </tr> <tr> <td>9</td> <td>10.79</td> </tr> </table>	pH	Solubility (g/L)	Double distilled Water	11.30	4	17.00	7	11.85	9	10.79
pH	Solubility (g/L)										
Double distilled Water	11.30										
4	17.00										
7	11.85										
9	10.79										

Property	Result	
n-Octanol/water partition coefficient	<u>pH</u>	<u>log K_{ow}</u>
	DDW	-0.09
	4	-1.03
	7	-0.08
	9	-0.06

The required chemistry data for Sharda Cyromazine 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 the registration of Sharda Cyromazine Technical.

References

PMRA Document Number	References
2875163	2018, Applicant's Name and Office Address, Formulating Plant and address, and Trade Name for Sharda Cyromazine Technical - CBI, DACO: 2.1,2.2,2.3 CBI
2875164	2018, Applicant's Name and Office Address, Formulating Plant and address, and Trade Name for Sharda Cyromazine Technical - Parent, DACO: 2.1,2.2,2.3
2875170	2018, Determination of Partition Coefficient of Cyromazine Technical, DACO: 2.14.11
2875171	2018, Determination of Vapour Pressure of Cyromazine Technical, DACO: 2.14.9
2875172	2018, Physicochemical Properties of Cyromazine Technical, DACO: 2.14.1,2.14.10,2.14.12,2.14.15,2.14.2,2.14.3,2.14.4,2.14.6,2.16
2875173	2018, Stability to Normal, Elevated Temperatures, Metals, Metal Ions and Corrosion Characteristics Cyromazine Technical, DACO: 2.13.1,2.14.13,2.14.14
2875174	2018, Study Plan Amendment: Hydrolysis as a Function of pH and Direct Photolysis of Cyromazine Technical, DACO: 2.16
2875175	2018, Hydrolysis as a Function of pH and Direct Photolysis of Cyromazine Technical, DACO: 2.16
2875177	2018, Manufacturing Process and Impurities Formulation Description for Sharda Cyromazine Technical, DACO: 2.11.1,2.11.2,2.11.3,2.11.4,2.12.1,2.4, 2.5,2.6,2.7, 2.8,2.9 CBI
2875185	2016, Study Plan Amendment: Hydrolysis as a Function of pH and Direct Photolysis of Cyromazine Technical, DACO: 2.13.2,2.13.3,2.13.4,2.15 CBI
2875186	2018, Solubility of Cyromazine Technical, DACO: 2.14.7,2.14.8

2940736 2018, CYROMAZINE manufacturing process and impurities formation
description - Revised, DACO: 2.11.1,2.11.2,2.11.3,2.11.4 CBI
2987591 2019, Determination of Impurity 1,4 Dioxane in Five Batches of Cyromazine
Technical, DACO: 2.13.3,2.13.4 CBI

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