

Evaluation Report for Category B, Subcategory 1.1, 1.3 Application

Application Number: 2020-1109
Application: Changes to ISP Product Chemistry – New Source (site) same registrant; Specifications
Product: Chlormequat Chloride Technical
Registration Number: 31461
Active ingredient (a.i.): Chlormequat chloride
PMRA Document Number: 3238808

Purpose of Application

The purpose of this application was to register a new source of chlormequat chloride by the same registrant and to lower the guarantee of the product.

Chemistry Assessment

Common Name: Chlormequat chloride
IUPAC* Chemical Name: (2-chloroethyl)trimethylammonium chloride
CAS† Chemical Name: 2-chloro-*N,N,N*-trimethylethanaminium chloride (1:1)

* International Union of Pure and Applied Chemistry

† Chemical Abstracts Service

Chlormequat Chloride Technical has the following properties:

Property	Result
Colour and physical state	light yellow liquid
Nominal concentration	64.9 %
Odour	moderately sweet
Density	1.241 g/cm ³
Vapour pressure	< 10 ⁻⁶ Pa
pH	2.1
Solubility in water	> 886 g/L
n-Octanol/water partition coefficient	-3.39

The required chemistry data for Chlormequat Chloride Technical have been provided, reviewed, and found to be acceptable.

Health Assessments

No new toxicological data were submitted or required. The new sources were deemed toxicologically equivalent to the currently registered product.

Occupational and dietary exposure assessments were not required for this application.

Environmental and Value Assessments

Environmental and value assessments were not required for this application.

Conclusion

The Pest Management Regulatory Agency has completed an assessment of the available information and has found it sufficient to support the registration of a new source of chlormequat chloride.

References

PMRA Document Number	References
3114001	2018, Product Identity and Composition, Description of Beginning Materials, and Productions Process, DACO: 2.11.1,2.11.2,2.11.3,2.11.4,2.12.1 CBI
3114000	2020, Description of the production process used to produce technical CCC (750 g/L [CBI removed]) at the Production plant [CBI removed] located in [CBI removed]., DACO: 2.11.1,2.11.2,2.11.3 CBI
3113999	2020, Description of the production process used to produce technical CCC (750 g/L [CBI removed]) at the Production plant [CBI removed], DACO: 2.11.1,2.11.2,2.11.3 CBI
3105207	2018, 5-Batch Analysis of Technical Chlormequat Chloride (TK) Production Site: [CBI Removed], DACO: 2.13.1,2.13.2,2.13.3 CBI
3105206	2019, 5-Batch Analysis of Technical Chlormequat Chloride (TK) to Meet the Requirements of Regulation (EC) No. 1107/2009, referencing SANCO 3030/99 rev. 4 and US OCSPP Guidelines 830.1700 and 830.1800, DACO: 2.13.1,2.13.2,2.13.3 CBI

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