

Evaluation Report for Category B, Subcategory B.1.2 Application

Application Number: 2015-3210
Application: New TGAI Product Chemistry-New Source (Site), New Registrant
Product: RBF Cal Hypo Granular 70-2
Registration Number: 32559
Active ingredients (a.i.): Available chlorine, present as calcium hypochlorite
PMRA Document Number: 2681869

Purpose of Application

The purpose of this application was to register the technical grade active ingredient RBF Cal Hypo Granular 70-2 as a new source of chlorine, present as calcium hypochlorite, by a new registrant.

Chemistry Assessment

Common Name: Calcium hypochlorite
IUPAC* Chemical Name: Calcium hypochlorite
CAS† Chemical Name: Hypochlorous acid, calcium salt (2:1)

* International Union of Pure and Applied Chemistry

† Chemical Abstracts Service

RBF Cal Hypo Granular 70-2 has the following properties:

Property	Result
Colour and physical state	White solid
Nominal concentration	72% as available chlorine
Odour	Chlorine-like odor
Density	1.0 -1.1 g/mL
Vapour pressure	Not required for inorganic salts.
pH	11.25
Solubility in water	21.5 g/100mL at 0°C 23.4 g/100mL at 40°C
n-Octanol/water partition coefficient	Not required.

The required chemistry data for RBF Cal Hypo Granular 70-2 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 WHY.

Conclusion

The Pest Management Regulatory Agency has completed an assessment of the available information and is able to support the full registration of the technical grade active ingredient RBF Cal Hypo Granular 70-2 as a new source of available chlorine, present as calcium hypochlorite, by a new applicant.

References

PMRA Document Number	Reference
2551999	2015, Applicant Manufacturer Information, DACO: 2.1, 2.2, 2.3
2552000	2015, Calcium Hypochlorite Granular 65%, DACO: 2.11.1, 2.11.2, 2.11.3, 2.11.4, 2.12.1, 2.13.1, 2.13.2, 2.13.3, 2.14.1, 2.14.10, 2.14.11, 2.14.12, 2.14.13, 2.14.14, 2.14.2, 2.14.3, 2.14.4, 2.14.5, 2.14.6, 2.14.7, 2.14.8, 2.14.9, 2.4, 2.5, 2.6, 2.7, 2.8, 2.9 CBI
2645132	2016, REVISED Chemistry Package, DACO: 2.13.1, 2.14.15, 830.7000 CBI
2645133	2016, Certificate of Analysis, DACO: 2.13.4 CBI
2651677	2016, Updated 5 batch production analysis, DACO: 2.13.1 CBI
2651678	2016, Certificate of analysis - impurities , DACO: 2.13.4 CBI
2655585	2016, Analytical Method, DACO: 2.13.1
2655586	2016, ASTM - Standard Test Method of Sampling and Chemical Analysis of Chlorine-Containing Bleaches, DACO: 2.13.1
2655587	2016, AWWA Standards - Hypochlorites, DACO: 2.13.1

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