

Evaluation Report for Category B, Subcategory 1.1 Application

Application Number: 2022-6055
Application: New Technical Grade Active Ingredient (Product Chemistry) – New Source (Site), Same Registrant
Product: DCCNA-VII
Registration Number: 35022
Active ingredient (a.i.): Available Chlorine, Present as Sodium Dichloro-s-Triazinetrione
PMRA Document Number: 3517615

Purpose of Application

The purpose of this application was to register DCCNA-VII as a new source of available chlorine, present as sodium dichloro-s-triazinetrione.

Chemistry Assessment

Common Name: sodium dichloro-s-triazinetrione dihydrate
IUPAC* Chemical Name: sodium 1,5-dichloro-4,6-dioxo-1,4,5,6-tetrahydro-1,3,5-triazin-2-olate hydrate (1:1:2)
CAS† Chemical Name: 1,3,5-triazine-2,4,6-(1*H*,3*H*,5*H*)-trione, 1,3-dichloro, sodium salt, hydrate (1:1:2)

* International Union of Pure and Applied Chemistry

† Chemical Abstracts Service

DCCNA-VII has the following properties:

Property	Result
Colour and physical state	White solid (granules)
Nominal concentration	56% as available chlorine
Odour	Chlorine
Density	0.9-1.2 g/cm ³
Vapour pressure	Negligible
pH	6.22 for a 1% dilution
Solubility in water	30 g / 100 mL
n-Octanol/water partition coefficient	Not applicable as the active is not soluble in octanol

The required chemistry data for DCCNA-VII 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 DCCNA-VII.

References

PMRA Document Number	Reference
3407907	2022, Manufacturing Summary, DACO: 2.11.1 CBI
3407908	2022, Description of Starting Materials, DACO: 2.11.2 CBI
3407909	2022, Detailed Production Process, DACO: 2.11.3 CBI
3407910	2022, Impurities, DACO: 2.11.4 CBI
3407912	2022, Methodology, DACO: 2.13.1 CBI
3407913	2022, Confirmation of Identity, DACO: 2.13.2 CBI
3407914	2022, Batch Data, DACO: 2.13.3 CBI
3407915	2022, Impurities of Toxicological Concern, DACO: 2.13.4 CBI
3407916	2022, Colour, DACO: 2.14.1 CBI
3407917	2022, Dissociation Constant, DACO: 2.14.10 CBI
3407918	2022, Partition Coefficient, DACO: 2.14.11 CBI
3407919	2022, UV Visible Spectra, DACO: 2.14.12 CBI
3407920	2022, Stability, DACO: 2.14.13 CBI
3407921	2022, Storage Stability, DACO: 2.14.14 CBI
3407922	2022, Physical State, DACO: 2.14.2 CBI
3407923	2022, Odour, DACO: 2.14.3 CBI
3407924	2022, Melting Point, DACO: 2.14.4 CBI
3407925	2022, Boiling Point, DACO: 2.14.5 CBI
3407926	2022, Density, DACO: 2.14.6 CBI
3407927	2022, Water Solubility, DACO: 2.14.7 CBI
3407928	2022, Solvent Solubility, DACO: 2.14.8 CBI
3407929	2022, Vapour Pressure, DACO: 2.14.9 CBI
3407930	2022, Other Data, DACO: 2.16 CBI
3407940	2022, Batch Data, DACO: 2.13.3 CBI

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