

Evaluation Report for Category B, Subcategory 1.1 Application

Application Number: 2022-4792
Application: New Technical Grade Active Ingredient (Product Chemistry) –
New Source (Site), Same Registrant
Product: DCCNA-VI
Registration Number: 35023
Active ingredient (a.i.): Available Chlorine, Present as Sodium Dichloro-s-Triazinetrione
PMRA Document Number: 3516961

Purpose of Application

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

Chemistry Assessment

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

* International Union of Pure and Applied Chemistry

† Chemical Abstracts Service

DCCNA-VI has the following properties:

Property	Result
Colour and physical state	White solid (granules)
Nominal concentration	62% as available chlorine
Odour	Chlorine
Density	0.9-1.2 g/cm ³
Vapour pressure	Negligible
pH	6.4 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-VI 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-VI.

References

PMRA Document Number	Reference
3390992	2022, Manufacturing Summary, DACO: 2.11.1 CBI
3390993	2022, Description of Starting Materials, DACO: 2.11.2 CBI
3390994	2022, Detailed Production Process, DACO: 2.11.3 CBI
3390995	2022, Impurities, DACO: 2.11.4 CBI
3390996	2022, Certified Limits, DACO: 2.12.1 CBI
3390998	2022, Confirmation of Identity, DACO: 2.13.2 CBI
3390999	2022, Batch Data, DACO: 2.13.3 CBI
3391000	2022, Batch Data, DACO: 2.13.3 CBI
3391001	2022, Impurities of Toxicological Concern, DACO: 2.13.4 CBI
3391002	2022, Colour, DACO: 2.14.1 CBI
3391003	2022, Dissociation Constant, DACO: 2.14.10 CBI
3391004	2022, Partition Coefficient, DACO: 2.14.11 CBI
3391005	2022, UV Visible Spectra, DACO: 2.14.12 CBI
3391006	2022, Stability, DACO: 2.14.13 CBI
3391007	2022, Storage Stability, DACO: 2.14.14 CBI
3391008	2022, Physical State, DACO: 2.14.2 CBI
3391009	2022, Odour, DACO: 2.14.3 CBI
3391010	2022, Melting Point, DACO: 2.14.4 CBI
3391011	2022, Boiling Point, DACO: 2.14.5 CBI
3391012	2022, Density, DACO: 2.14.6 CBI
3391013	2022, Water Solubility, DACO: 2.14.7 CBI
3391014	2022, Solvent Solubility, DACO: 2.14.8 CBI
3391015	2022, Vapour Pressure, DACO: 2.14.9 CBI
3391016	2022, Other Data, DACO: 2.16 CBI
3515662	2023, Methodology, DACO: 2.13.1 CBI
3515663	2023, Impurities, DACO: 2.13.4 CBI

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