Health Canada Santé Canada

Evaluation Report for Category B, Subcategory 1.1 Application

Application Number: 2020-3586
Application: Changes to TGAI Product Chemistry – New Source (site) Same Registrant
Product: CAPTAN TECHNICAL 1
Registration Number: 27904
Active ingredient (a.i.): Captan
PMRA Document Number : 3368045

Purpose of Application

The purpose of this submission is to add a new manufacturing site to CAPTAN TECHNICAL 1.

Chemistry Assessment

Common Name: Captan
IUPAC* Chemical Name: *N*-[(trichloromethyl)thio]-3a,4,7,7a-tetrahydrophthalimide
CAS† Chemical Name: 3a,4,7,7a-tetrahydro-2-[(trichloromethyl)thio]-1*H*-isoindole-1,3(2*H*)-dione

* International Union of Pure and Applied Chemistry
† Chemical Abstracts Service

Captan Technical 1 has the following properties:

Property	Result
Colour and physical state	Colourless to beige solid
Nominal concentration	95.0%
Odour	Pungent odour
Density	0.481-0.801 g/cm^3
Vapour pressure	0.0042 mPa (20°C)
pH	7.5-8.5 (1%)
Solubility in water	4.9 mg/L
n-Octanol/water partition coefficient	log K_{ow} = 2.57

The required chemistry data for CAPTAN TECHNICAL 1 have been provided, reviewed, and found to be acceptable.

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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 sufficient to support addition of the manufacturing site to CAPTAN TECHNICAL 1.

References

PMRA Document Number	References
3144559	2019, The Manufacturing Process of Captan Technical, DACO: 2.11.1,2.11.2, 2.11.3,2.11.4,2.12.1,2.2 CBI
3144560	2019, Analysis of Five Representative Production Batches of Captan Technical Grade Active Ingredient (TGAI) to Determine % Captan and to Quantify its Associated Impurities, DACO: 2.13.1,2.13.2,2.13.3,2.13.4 CBI
3144561	2019, Preliminary Screening of Five Representative Production Batches of Captan Technical Grade Active Ingredient (TGAI) and its Associated Impurities, DACO: 2.13.1,2.13.2,2.13.3,2.13.4 CBI
3144562	2019, Method Validation of Captan Technical Grade Active (TGAI) to Determine % Captan and to Quantify its Associated Impurities, DACO: 2.13.1 CBI
3312650	2022, Validation of Analytical Method for Determination of [CBI REMOVED] and Analysis of Five Representative Production Batches of Captan Technical Grade Active Ingredient (TGAI) to Determine [CBI REMOVED] in Captan Technical, DACO: 2.13.1,2.13.2,2.13.3,2.13.4 CBI