

Evaluation Report for Category B, Subcategory 4.6 Application

Application Number: 2019-0864
Application: Application to fulfill conditions of registration
Product: SNMDC Concentrate Liquid Microbicide
Registration Number: 24327
Active ingredient (a.i.): Sodium N-methyldithiocarbamate (ISO name: metam-sodium)
PMRA Document Number: 3082694

Purpose of Application

The purpose of this application was to fulfill chemistry requirements following the re-evaluation of the active ingredient.

Chemistry Assessment

Common Name: sodium N-methyldithiocarbamate
ISO name: metam-sodium
IUPAC* Chemical Name: sodium methyldithiocarbamate
CAS† Chemical Name: sodium N-methylcarbamodithioate

* International Union of Pure and Applied Chemistry

† Chemical Abstracts Service

SNMDC Concentrate Liquid Microbicide has the following properties:

Property	Result
Colour and physical state	Reddish-orange liquid
Nominal concentration	42%
Odour	Sulfide
Density	1.19 – 1.23 g/mL
Vapour pressure	2.2 kPa
pH	9-11
Solubility in water	578 g/L for pure compound
n-Octanol/water partition coefficient	$\log K_{ow} = -1.7$

The required chemistry data for SNMDC Concentrate Liquid Microbicide 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 sufficient to fulfill the requirements of registration for SNMDC Concentrate Liquid Microbicide.

References

PMRA

Document

Number	Reference
2967191	2007, Manufacturing summary, DACO: 2.11.1 CBI
2967192	2018, Batch Analysis of Technical Grade SNMDC, DACO: 2.13.3 CBI
3012818	2019, Identification of Raw Materials , DACO: 2.11.2 CBI
3075914	2020, PNMD C SNMDC Mass Spectra, DACO: 2.13.2
3079340	2020, [CBI REMOVED] Mass Spectra, DACO: 2.13.2 CBI

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