



Evaluation Report for Category B, Subcategory 4.6 Application

Application Number: 2019-0863
Application: Application to fulfill conditions of registration
Product: PNMD C (54%) Liquid Microbicide Concentrate
Registration Number: 18592
Active ingredient (a.i.): Potassium N-methyldithiocarbamate (ISO name metam-potassium)
PMRA Document Number: 3082691

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

* International Union of Pure and Applied Chemistry

† Chemical Abstracts Service

PNMDC (54%) Liquid Microbicide Concentrate has the following properties:

Property	Result
Colour and physical state	Orange liquid
Nominal concentration	54%
Odour	Pungent fishy odour
Density	1.25 – 1.29 g/mL
Vapour pressure	1.42 kPa
pH	9-11
Solubility in water	722 g/L for pure compound
n-Octanol/water partition coefficient	N/A – ionic salt

The required chemistry data for PNMD C (54%) Liquid Microbicide Concentrate 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 PNMDC (54%) Liquid Microbicide Concentrate.

References

PMRA

Document

Number	Reference
2967180	2007, Manufacturing summary, DACO: 2.11.1 CBI
2967181	2018, Batch Analysis of Technical Grade PNMDC, DACO: 2.13.3 CBI
3012801	2019, Identification of Raw Materials, DACO: 2.11.2 CBI
3075933	2020, PNMDC SNMDC Mass Spectra, DACO: 2.13.2
3079192	2020, [CBI REMOVED] Mass Spectra, DACO: 2.13.2 CBI

ISSN: 1911-8082

© Her Majesty the Queen in Right of Canada, as represented by the Minister of Health Canada, 2020

All rights reserved. No part of this information (publication or product) may be reproduced or transmitted in any form or by any means, electronic, mechanical, photocopying, recording or otherwise, or stored in a retrieval system, without prior written permission of Health Canada, Ottawa, Ontario K1A 0K9.