



Protecting human health
and the environment

Protéger la santé
humaine et l'environnement

Evaluation Report for Category B, Subcategory 1.1 Application

Application Number: 2024-6428
Application: Changes to TGAI Product Chemistry-New Source(site) same registrant
Applicant: ARYSTA LIFESCIENCE BENELUX
Product: DODINE TECHNICAL FUNGICIDE
Registration Number: 21919
Active ingredient (a.i.): Dodine
PMRA Document Number: 3802155

Purpose of Application

The purpose of this application was to add a new manufacturing site to the registration of DODINE TECHNICAL FUNGICIDE.

Chemistry Assessment

Common Name: dodine
English IUPAC* Chemical Name: 1-dodecylguanidinium acetate
CAS† Chemical Name: dodecylguanidine monoacetate

* International Union of Pure and Applied Chemistry

† Chemical Abstracts Service

DODINE TECHNICAL FUNGICIDE has the following properties:

Property	Result
Colour and physical state	Slightly yellow solid
Nominal concentration	98 %
Odour	No characteristic odour
Density	0.982 g/mL at 20°C
Vapour pressure	$< 5.49 \times 10^{-6}$ Pa at 50°C
pH	7.02 (1% w/v aqueous solution)
Solubility in water	930 mg/L (pH 6.9, 20°C)
n-Octanol/water partition coefficient	$\log K_{ow} = 1.00$ (pH 7.7)



Health
Canada

Santé
Canada

Canada

The required chemistry data for DODINE TECHNICAL FUNGICIDE 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 add the new manufacturing site to the registration of DODINE TECHNICAL FUNGICIDE.

References

PMRA

Document

Number

Reference

3658940	2024, Batch data 36981 glp, DACO: 2.13,2.13.2,2.13.3 CBI
3658941	2024, Dodine manufacturing process_S.No_36981_18062024_Final, DACO: 2.11,2.11.1,2.11.2,2.11.3,2.11.4 CBI
3674256	2025, pH study, DACO: 2.14.15,830.7000 CBI

© His Majesty the King in Right of Canada, as represented by the Minister of Health Canada, 2026

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.