



# Vapro VBCI-877 Fungi Exogen

## Exogenously Dormant Fungi Growth

NATO STOCK NUMBER: 6850-32-076-1605



### Introduction

During situations of threat, defense forces are expected to move into position fast. Speed and numbers are crucial. When the lines of communication turn volatile, will your fleet of military vehicles roll out smooth and awesome as they should? Vapro is your key to operational superiority. Magna has successfully preserved military vehicles, weapons and weapons systems, optical and electronics equipment in Asia Pacific Region.

Vapro VBCI-877 is specially developed to enhance operational readiness. It is listed in NATO Codification System, with assigned NATO Stock Number: 6850-32-076-1605. The manner in which fungi obtain nutrients from the environment distinguishes them from plants and animals and is largely responsible for their growth habit. Fungi lack chlorophyll and thus are not capable of utilizing the sun's radiant energy to manufacture organic molecules as plants do. In terms of their mode of nutrition fungi are similar to animals in being heterotrophic: they must obtain organic substances ("food") preformed from the environment.

Fungi digest their food externally by releasing hydrolytic enzymes into their immediate surroundings. These enzymes break down the substrate into smaller subunits, which are then absorbed by fungus. There is enormous variety in the types of organic substances which fungi as a group can utilize as energy sources. Individual species, however, are often quite selective in their nutritional requirements and will grow only on certain substrates.

In order for a substrate to be utilized as a nutrient three criteria must first be met: the fungus must be able to synthesize and secrete the enzymes necessary to hydrolyze the substrate into molecules of relatively small size, the fungus must possess the uptake mechanisms necessary to transport the small molecules into the cell, and the fungus must possess the metabolic machinery necessary to convert these molecules into cellular energy as well as into building blocks for growth and development. Thus a fungus may well starve in the midst of plenty if it lacks an enzyme required for the hydrolysis, uptake, or metabolism of a particular substrate.



## Description

Vapro VBCI-877 Fungi Exogen is potent fungicide that prevents fungus germination on Infra Red Lenses, Camera Lenses, Binocular Lenses and etc. It is based on the proven Magna's proprietary chemical benzmethyamide. It gives both in-can and dry-film protection for lenses.

It is a broad-spectrum fungicide that exogenously dormant fungus growth on lenses by enhancing the metabolic impairment of the spores. Its' low acute mammalian toxicity minimizes health risk to users. It has broad pH compatibility and its non-specific mode of action means organisms are less likely to develop resistance.

Vapro VBCI-877 Fungi Exogen does not remove Magnesium Fluoride Coating on the Infrared Lenses and has no effect on both natural and synthetic rubber.

## Features

- Low inhibitory concentrations
- Does not remove magnesium fluoride coating
- Does not affect the reflective index of the Lenses.
- Low mammalian toxicity.

## Specifications

**Specific Gravity**  
1.10

**Disperibility In Aqueous System**  
Dispersible

**Appearance**  
Off With Liquid

**Boiling Point**  
100°C

**Viscosity At 20°C, Mpas**  
1800

## Available Packaging

400ml Aerosol can (12 cans per carton)

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