

Michem® Guard 349

BRAND FAMILY OVERVIEW Michem® Guard waterborne dispersions add optimum abrasion/mar resistance, and slip and block resistance without the use of solvents. Some also provide a matting effect for a more natural appearance.

USAGE Designed to impart rub resistance, block resistance and matting properties to aqueous paints, coatings and inks.

DESCRIPTION Nonionic polyethylene dispersion

PERFORMANCE ATTRIBUTES This product is used in many applications including the following:

Market	Properties Imparted
Building Paints	<i>block resistance, matting, rub resistance, scratch resistance</i>
Exterior Wood Protection	<i>block resistance, matting, rub resistance, scratch resistance</i>
Industrial Wood & Plastic	<i>block resistance, matting, rub resistance, scratch resistance</i>
Inks	<i>block resistance, matting, rub resistance, scratch resistance</i>
Interior Furniture & Floor	<i>block resistance, matting, rub resistance, scratch resistance</i>
Overprint Varnishes	<i>block resistance, matting, rub resistance, scratch resistance</i>

PHYSICAL PROPERTIES The following properties are typical but should not be considered specifications:

Appearance:	White liquid
Solids Type:	Polyethylene
Emulsifier Charge:	Nonionic
Non-Volatile (%) :	49.5 - 50.5
pH:	6.5 - 8.5
Recommended pH of your system:	2.0 - 12.0
Brookfield Viscosity (cps) :	500 - 1000
Spindle Number:	3
RPM:	60

SITE OF MANUFACTURE (and PRODUCT CODE) USA (MGRD349), Belgium (MGRD349.E), Singapore (MGRD349.S)

Michem® Guard 349

STORAGE Keep containers tightly closed in a dry, cool and well-ventilated place.

HANDLING Ensure adequate ventilation. Handle in accordance with good industrial hygiene and safety practice. Use personal protective equipment as required.

Revised 28 November 2017

The following information for this product, specific to each site of manufacture, is available upon request:

- Material Safety Data Sheets in various formats and languages (includes global chemical inventory listing)
- Food Contact Declaration of Compliance (if applicable)

Americas

Michelman Inc.
Tel: +1 513 793 7766
Fax: +1 513 793 2504

China

Michelman (Shanghai)
Chemical Trading Co., Ltd.
Tel: +86 21 2098 6880
Fax: +86 21 2098 6881

India

Michelman Private Limited
(formerly known as
Michelman Chemicals Pvt Ltd)
Tel: +91 22 28672783
Fax: +91 22 28672784

Japan

Michelman Japan LLC
Tel: +81 3 45 80 14 90
Fax: +81 3 45 80 27 01

Luxembourg

Michelman SARL
Tel: +352 26 39 44 1
Fax: +352 26 39 44 80

Singapore

Michelman Asia-Pacific Pte. Ltd.
Tel: +65 6861 2822
Fax: +65 6861 2262

The facts stated and the recommendations contained herein are based on our own research and the research of others, and are believed to be accurate. However, no guarantee of their accuracy is made because we cannot cover every possible application for our products nor anticipate every variation encountered in manufacturing equipment and methods. The products discussed are sold without warranty, express or implied and Seller disclaims any warranty of merchantability or fitness for a particular purpose in connection with the purchase of its products. It is recommended that purchasers conduct their own tests to determine the suitability of such products for their particular purpose. Seller shall not be liable for any injury, loss or damage, direct or consequential arising out of the use of or the inability to use the product. Statements concerning the possible use of our products are not intended as recommendations to use our products in the infringement of any patent and our products are sold without warranty of non-infringement.

© 2018 MICHELMAN, INC. All rights reserved. ® Reg. U.S. Pat. TM Off.
All marks contained herein are registered or owned by Michelman, Inc.
Michelman is ISO 9001:2015 certified.