

Michem® Lube 190

BRAND FAMILY OVERVIEW Michem® Lube is a versatile family of wax emulsions used to improve processing and performance in many industries, as well as provide a wide array of surface properties.

USAGE Provides mar, rub, block, and scratch resistance, and improved water resistance in coatings and graphic arts formulations.

DESCRIPTION High density polyethylene emulsion

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

Market	Properties Imparted
Building Paints	<i>block resistance, durability, mar resistance, water resistance</i>
Concrete	<i>stain and dirt resistance</i>
Die Lubes & Mold Releases	<i>block resistance, lubricity, mold release</i>
Exterior Wood Protection	<i>durability, scratch resistance, water beading</i>
Furniture Polish	<i>mar resistance</i>
Industrial & Institutional	<i>abrasion resistance, block resistance, mar resistance, rub resistance, water resistance</i>
Inks	<i>block resistance, mar resistance, rub resistance, scratch resistance, water resistance</i>
Interior Furniture & Floor	<i>block resistance, durability, mar resistance, water resistance</i>
Leather	<i>block resistance, lubricity for needle and thread</i>
Maintenance Coatings	<i>block resistance</i>
OEM Applied Wood Protection	<i>abrasion resistance, block resistance, lubricity, scratch resistance</i>
Overprint Varnishes	<i>block resistance, gloss enhancement, mar resistance, overprints with heat resistance, rub resistance, scratch resistance, water resistance</i>

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PHYSICAL PROPERTIES

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

Appearance:	Amber, translucent liquid
Freeze/Thaw Stability:	None: protect from freezing
Non-Volatile (%) :	34.5 - 35.5
Specific Gravity:	0.98 - 1.00
pH:	8.7 - 9.7
Recommended pH of your system:	> 7.0
Brookfield Viscosity (cps) :	< 50
Spindle Number:	1
RPM:	60
Shelf Life (months) :	The product has a shelf life of 24 months from date of manufacture when storage and handling instructions are followed.

**SITE OF MANUFACTURE
(and PRODUCT CODE)**

USA (ML190), Belgium (ML190.E), Singapore (ML190.S)

STORAGE

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

HANDLING

Handle in accordance with good industrial hygiene and safety practice. Use personal protection equipment.

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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)

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