

# Michem® Lube 190

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**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:

<b>Market</b>	<b>Properties Imparted</b>
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.

**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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