

# Michem® Lube 160 PFP

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**BRAND FAMILY OVERVIEW** Michem® Lube is a versatile family of nanoscale wax emulsions, which are mostly carnauba and paraffin-based, used to improve processing and performance in many industries, as well as provide a wide array of surface properties.

**USAGE** This phenol-free additive provides slip and anti-block properties when used in coatings for seeds, metal, wood and OPP films.

**DESCRIPTION** Anionic carnauba emulsion

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

Market	Properties Imparted
Automotive Care	<i>APEO free, buffability, gloss enhancement, lubricity, mar resistance</i>
Building Paints	<i>block resistance, lubricity, mar resistance, release, scratch resistance</i>
Can & Coil	<i>lubricity</i>
Exterior Wood Protection	<i>block resistance, lubricity, mar resistance, release, scratch resistance</i>
Functional Coatings	<i>block resistance, buffability, lubricity, mar resistance, release, scratch resistance</i>
Furniture Polish	<i>block resistance, buffability</i>
Interior Furniture & Floor	<i>block resistance, buffability, lubricity, mar resistance, release, scratch resistance</i>
Leather	<i>block resistance, buffability, lubricity, mar resistance, release, scratch resistance</i>
OEM Applied Wood Protection	<i>block resistance, buffability, lubricity, mar resistance, release, scratch resistance</i>
Overprint Varnishes	<i>block resistance, buffability, lubricity, mar resistance, release, scratch resistance</i>

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**PHYSICAL PROPERTIES**

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

Appearance:	Cream colored, opaque liquid
Freeze/Thaw Stability:	Stable after 5 Cycles
Non-Volatile (%) :	24.5 - 25.5
Specific Gravity:	0.99 - 1.01
pH:	4.0 - 7.5
Recommended pH of your system:	1.0 - 12.0
Brookfield Viscosity (cps) :	< 15
Spindle Number:	1
RPM:	60
Shelf Life (months) :	The product has a shelf life of 12 months from date of manufacture when storage and handling instructions are followed.

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

USA (ML160PFP), Belgium (ML160PFP.E), Singapore (ML160PFP.S)

**STORAGE**

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

**HANDLING**

Avoid contact with eyes. Avoid contact with eyes, skin and clothing. Ensure adequate ventilation. Handle in accordance with good industrial hygiene and safety practice. Use personal protective equipment as required.

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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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