

# Michem® Lube 160 PFP

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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** 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:

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

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**SITE OF MANUFACTURE (and PRODUCT CODE)** USA (ML160PFP), Belgium (ML160PFP.E), Singapore (ML160PFP.S)

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**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.

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**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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