



PRODUCT INFORMATION

CHEMPOL[®] MPS 2410-D

Polymers Suggested Starting Formulation

www.ccponline.com

NATURAL DECK FINISH

0.82 VOC

<u>INGREDIENTS</u>	<u>POUNDS</u>	<u>GALLONS</u>
CHEMPOL [®] MPS 2410	301.14	36.02
Premix next four ingredients		
Dipropylene Glycol Monomethyl Ether	15.24	1.92
Tinuvin [®] 1130 ¹	4.85	0.50
Tinuvin [®] 292 ²	2.08	0.25
DAPRO [®] 7008 ³	1.68	0.22
Continue to mix with moderate stirring speed. Add in order:		
Water	480.51	57.60
BYK [®] 024 ⁴	8.12	0.97
Michemwood [®] Coat 70 LV ⁵	4.95	0.62
Tint-AYD [®] CW5600 ⁶	0.99	0.09
Tint-AYD [®] CW5499 ⁷	4.95	0.37
Acticide [®] MBS ⁸	1.98	0.23
Polyphase [®] CST ⁹	5.84	0.66
Adjust to desired final viscosity:		
Acrysol [®] RM-8W ¹⁰	<u>4.75</u>	<u>0.55</u>
	837.08	100.00

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PAINT PROPERTIES

% solids by weight	22.7
% solids by volume	22.3
% PVC	0.62
Viscosity, Zahn #2	15-20 seconds
VOC, pounds / gallon	0.82
grams / liter	99

Technology Description

Chempol MPS-2410 is an emulsified soya-based long oil alkyd. It is based on CCP's unique sucrose ester technology which provides high crosslink density at low molecular weight. Chempol MPS-2410 offers a broad range of compatibility with water-based coatings additives.

Formulation Features

High Organic Renewable Content
 VOC < 100 g/L
 High Crosslink Density
 Low Molecular Weight
 Hydrophobic Resin
 Contains Wax Emulsion
 Contains UV Light Absorbers
 Contains Transparent Pigmentation

Benefits

Lower ecological and environmental impacts than alternative technology deck finishes
 Low solvent odor, minimal health impact
 Stain resistance and general toughness
 Excellent penetration into wood pores
 Water resistant and stain resistant finish
 Enhances water repellency
 Slows degradation of wood due to sunlight exposure and improves coating longevity
 Rich natural wood tone appearance while improving protection from sunlight

FORMULATION NOTES

Ingredient	Description	Supplier
¹ Tinuvin [®] 1130	UV Absorber	Ciba (BASF)
² Tinuvin [®] 292	Hindered Amine Light Stabilizer	Ciba (BASF)
³ DAPRO [®] 7008	Manganese Drier	Elementis
⁴ BYK [®] 024	Defoamer	BYK-Chemie
⁵ Michemwood [®] Coat 70 LV	Wax Emulsion	Michelman
⁶ Tint-AYD [®] CW5600	Transparent Yellow Iron Oxide Dispersion	Elementis
⁷ Tint-AYD [®] CW5499	Transparent Red Iron Oxide Dispersion	Elementis
⁸ Acticide [®] MBS	In-Can Preservative	Thor
⁹ Polyphase [®] CST	Mildewcide	Troy Corp
¹⁰ Acrysol [®] RM-8W	Associative thickener	Rohm & Haas (Dow)

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