

2019



AWPA Book of Standards



AMERICAN WOOD PROTECTION ASSOCIATION

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P39-18 AMERICAN WOOD PROTECTION ASSOCIATION STANDARD

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STANDARD FOR 4,5-DICHLORO-2-N-OCTYL-4-ISOTHIAZOLIN-3-ONE (DCOI)

Jurisdiction: AWPA Technical Committee P-3

This Standard was developed by AWPA's Technical Committees in an open, consensus-based process. Any modifications, deviations, or exceptions to this Standard invalidate any references to this Standard and nullifies any statements of compliance with this Standard.

Preservative Code	DCOI	Description of the Preservative	Application Method/Use Pattern	Acceptable Carriers/Diluents
Preservative Name	4,5-Dichloro-2-N-Octyl-4-Isothiazolin-3-One	Oil-borne Preservative	Vacuum pressure treatment and Non-pressure application	Hydrocarbon Solvent Type A (AWPA Standard HSA) Hydrocarbon Solvent Type C (AWPA Standard HSC)
Preservative Composition & Physical Chem. Requirements				
Composition	4,5-dichloro-2n-octyl-4-isothiazolin-3-one: 98.0% Related non-volatile impurities: <2.0%			
Physical Chem. Properties	Appearance: Crystalline, solid brown			
	Vapor Pressure: 7.35 x 10 ⁻⁶ Torr @ T = 25°C			
	Solubility: Acetone Approx. 40% Ethanol Approx. 35% Cellosolve Approx. 40% Water <14 ppm			
	Octanol/Water Partition Coefficient: Log Po/w, 6.4			
	Treating Solution No specific criteria defined			
Analytical Methods [Only major analytical methods are listed. Refer to the AWPA BOS for additionally applicable standards]				
Concentrate/Solutions	AWPA Standard A30, A9			
Wood	AWPA Standard A30, A9			
Committee Recommendations				
Minimum Retentions	Committee P-3 recommended the following minimum retentions: Above Ground applications—0.040 pcf (0.64 kg/m ³); Ground Contact applications—0.080 pcf (1.28 kg/m ³)			
Enforcement				
Historical Reaffirmation Amendments	Adopted in 2008 (formerly AWPA Standard P8 No. 6) 2000, 2006, 2014 2014, 2018			