Poles, Inc.
Naphthenate Preservative Products

Tenino Copper Naphthenate

EPA Reg. No. 64405-22-54471
EPA Est. No. 54471-NE-001

2% Copper Naphthenate in P9 oil (fuel oil) preservative for pole topping, field cuts, and bore hole treatment. Meets AWPA Standard M-4.

Available packaging:
1 pint (24 pints/case) with sprayer cap
1 gallon plastic (6 per case)
5 gallon pails
55 gallon drums
260 gallon totes

OTHER PRODUCTS AVAILABLE FROM POLES, INC.

Wood Preservative Paste
Copper Naphthenate 8% Concentrate
Bor 8 Rods
G Fume 96 Granular Fumigant
Treated Wood Plugs
Plastic Plugs
Tools for Test and Treat Programs

(06/2012)

Suitable for Use On Wood With Ground Contact

Prolongs The Life Of Non-Pressure Treated Wood

For Preserving Cedar Shake Roofs

Ideal For Pressure-Treated Wood End Cut Protection

Prevents Termites, Wood Destroying Beetles, Carpenter Ants and Decay Fungi

Resists Warping, Swelling, Shrinking, End Checking, Rot, Mold and Mildew, and Moss

Poles, Inc.
Wood Pole Maintenance Solutions®

336 Clarksley Road
Manitou Springs, Colorado 80829
Office: (719) 685-0333
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www.poles.com

Poles, Inc.
Wood Pole Maintenance Solutions®

Tenino Copper Naphthenate

Oil Based Wood Preservative

2% Metallic Copper (17% by Volume)

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www.poles.com

AWPA Approved

Copper Naphthenate is approved for use by the American Wood Protection Association (AWPA) for treatment of many wood products including lumber, poles and posts. Tenino also meets AWPA Standard M-4 for the treatment of field cuts. Call the AWPA for a copy of the full standard.

(205) 733-4077. www.awpa.com

Summary of AWPA Fence Post Standard

Species	Retention (As metal)	Penetration
Lodge Pole Pine	.055	1" or 85% of Sapwood
Ponderosa Pine	.055	2" or 85% of Sapwood
Douglas Fir	.055	3/8" and 100% up to 1" and 85% Sapwood

National Park Service Recommendation

The February 19, 1981 Federal Register outlines the EPA's position regarding the health risks associated with various wood preservatives. In light of that position, the National Park Service has recommended the use of Copper Naphthenate in its facilities as an approved substitute for pentachlorophenol, creosote and inorganic arsenicals.

Poles, Inc. markets many wood preservatives including Copper Naphthenate based products that have a proven record of safe and effective performance as a fungicide/insecticide for protection against rot, mildew and moisture on exterior wood surfaces.

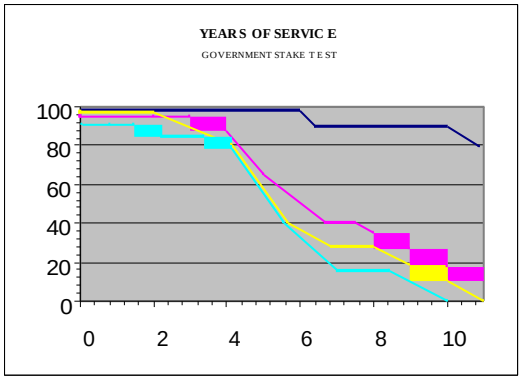
Copper Naphthenate is insoluble in water and is leach resistant. It has no measurable vapor pressure and cannot evaporate. Studies on various wood species that have been treated with Copper Naphthenate formulations show it meets or exceeds the service life of pentachlorphenol and other preservatives.

The use of Copper Naphthenate will not result in increased corrosion of metal hardware or increased electrical conductivity. It will not harden or increase the brittleness of utility poles.

Copper Naphthenate is NOT a restricted-use pesticide (Federal Register, Vol. 51, No. 7,pg .1334 "Environmental Protection Agency," dated 1/10/86, et al, regarding creosote, pentachlorophenol and inorganic arsenicals). The federal provision for applicator's license is NOT required when using Copper Naphthenate. State license requirements may vary.

www.poles.com

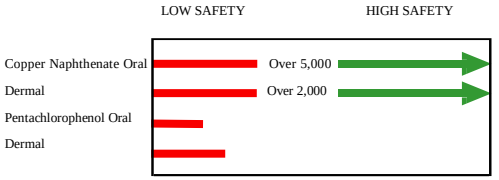
U.S. Department of Agriculture



The above data has been accumulated since 1941 for Copper Naphthenate diluted with a light petroleum solvent.

Chart indicates percentage of stakes remaining sound at each annual inspection. Tests of southern pine sapwood pressure treated stakes by the Forest Products Laboratory. U.S. Department of Agriculture at Saucier, Mississippi. Untreated stakes in this test were destroyed in two years.

Relative Safety of Preservatives (LD* 50)



*Test results available upon request.