

CEDARCIDE INDUSTRIES, INC.

Wood Preservation Products

We are pleased to introduce three, new, wood preservation products. These patent-pending concentrates represent a revolutionary break from current treatment technology, utilizing environmentally safe, and effective, next generation actives. Our formulas incorporate essential plant oils derived from distillation and Supercritical Fluid Extraction (“SFE”) methods, proprietary silicones, and food grade mineral oils, consistent with the “minimum risk pesticide” registration exemption, under EPA Ruling 40CFR 152.25B. As a result, our products are a highly-effective, and reliable, alternative to those containing harmful chemicals, heavy metals, and other substances considered toxic to humans, animals and plant life. Our featured new products are:

CedarTreat™

CedarSeal™

CedarShield™

Product Features

All three products feature patent pending wood and bamboo preservatives that include insect, water, and decay repellent properties. They also offer significant drying and stabilization benefits to various materials. Each may be applied by brush, roller or spray equipment, or optionally via soaking, pressure vessel, or vacuum-treatment protocol. The formulation is flexible, allowing for adjustments to the “active” and “carrier” dilution ratio, to meet various application objectives.

□ CedarTreat™

Product No. 5005

CedarTreat™ is a mixture of internally-modified Cedar Oil and Dow Corning® patented, “**small molecule**” technical, that is carried through wood fiber via a low viscosity hydrocarbon solvent for “**total bulking**” of wood and bamboo media. This formulation features high penetration, and can be used as a drying agent, wood preservative and stabilizer for all species of wood. CedarTreat™ provides long lasting “bulking” of a wood’s cell and fiber structure, and delivers anti-microbial agents, termiticides and silicone deposits to the treated media. The Dow Corning® unique technical encapsulates the Cedar Oil, and creates water resistance within the wood. The formulation also provides dimensional stability, reduces or eliminates warping, cupping and splitting, and enhances fastener adhesion. CedarTreat™ is excellent for applications on millwork lumber and decking material. . The product can be provided in premixed solution, or in **active concentrate** form. It is available in gallons, drums or totes in volumes of 1, 5, 55, 275, or 5,000 gallons. Greater volumes are available upon request. The **active concentrate** may be diluted in a range of 9:1, up to 15:1, based upon the treatment objective, with a C-10 to C-12 hydrocarbon solvent such as Conoco-Phillips® C-145, or Calumet® 142.

Active Concentrate Price:

\$ 80.00 per gallon

□ CedarSeal™ **Product No. 5006**

CedarSeal™ is a mixture of internally-modified Cedar Oil and Dow Corning® patented, “**large molecule**” technical, that is carried through wood fiber via a medium viscosity, hydrocarbon solvent. CedarSeal™ is highly-effective for application on wood decks, docks, fencing, external housing and log cabins. The product can be provided in premixed solution, or in **active concentrate** form. It is available in gallons, drums or totes in volumes of 1, 5, 55, 275, or 5,000 gallons. Greater volumes are available upon request. The **active concentrate** may be diluted in a range of 9:1, up to 15:1, based upon the treatment objective, with a medium viscosity hydrocarbon solvent such as Conoco-Phillips® Conosol C-200, or Calumet® 420/460.

Active Concentrate Price: \$ 85.00 per gallon

□ CedarShield™ **Product No. 5007**

CedarShield™ is a mixture of G T Products® heavy load, “**jumbo molecule**”, silicone technical, and internally-modified Cedar Oil that is carried through wood fiber via a high, or low viscosity, hydrocarbon solvent. CedarShield™ is commonly utilized for the stabilization and bulking of “junk woods”, and woods used in the furniture manufacture and wood turning industries. The product can be provided in premixed solution, or in **active concentrate** form. It is available in gallons, drums or totes in volumes of 1, 5, 55, 275, or 5,000 gallons. Greater volumes are available upon request. The **active concentrate** is dilutable (8.5:1.5) with C-10 to C-16 hydrocarbon solvent, such as a Conoco-Phillips® Conosol C-145 to C-200, or Calumet® 142, or 420/460.

Active Concentrate Price: \$120.00 per gallon

Treatment Formulation & Cost Analysis

The accompanying schedules provide the reader product cost and formulation data by **active ingredients** and **solvent carrier**, related to “board feet” treatment at various dilution ratios for each product. Suggested applications for the products are noted in the far right column of each schedule.

Formulation Treatment Reference

TOTAL BULKING of wood fiber may require as much as 16 gallons per 1,000 board feet subject to wood species. At this high ratio, the formulation could be considered a perpetual treatment for piers or below ground level posts, piers, etc.

MEDIUM BULKING achieved at approximately 8 gallons per 1,000 board feet, is considered the “benchmark” in wood treatment, and recognized as satisfactory for underground and water applications, and above ground treatment for dimensional stability, resistance to water, insects and decay such as required for posts, sill plates, and deck materials.

LIGHT BULKING of wood fiber requires approximately 4 gallons per 1,000 board feet, and is recognized as a drying agent, and provides dimensional stability for furniture, millwork, and other similar applications. This treatment level is excellent for **construction window** applications to structural timber and composite building components (ie., plywood, OSB, laminated products, etc.)

CedarCide’s Wood Preservative Products will generate a significant cost savings by eliminating the need for **Kiln Drying**, a required protocol under the “aqueous” treatment methods currently utilized in the industry. They will also reduce, or eliminate, inventory and handling costs associated with that antiquated, and very expensive, process.

Wood treated with our products will be dry, dimensionally stable, insect, water, and decay resistant following a single treatment.

We know that you will be pleased with our new products and want you to have the opportunity to try them for yourself. So, please visit our website www.cedarcide.com for more information, and to see our treatment result “photos”. Then, call, or contact me personally, at the phone number or email address below. I look forward to talking to you.

Cordially,



Dave L. Glassel, CEO & Founder
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**Product #5005
CedarTreat™ Concentrate**

**CedarCide Industries, Inc.
Wood Treatment Formulation and Cost Analysis**

**** Formulator Note:
Bulk Rate of 8 gallons
per 1,000 board feet**

Dilution Ratio A:B	Active Pct	Formula Mixture (in gals)	Carrier (A)		Actives (B)		Formulation Cost		Treatment Cost & Coverage **			
			Product (in gals)	Cost* (\$2.50/gal)	Product (in gals)	Cost (\$80.00/gal)	Total Cost	Unit Cost (per gal)	Cost per ft (1gal=125ft)	Cost per 1,000 Bd Ft	Total Treatment (in board feet)	
9:1	10.0%	10	9	\$ 22.50	1	\$ 80.00	\$ 102.50	\$ 10.25	\$ 0.082	\$ 82.00	1,250	Below Ground, and Water; Piers - Poles - Posts
9:1	10.0%	100	90	225.00	10	800.00	1,025.00	10.25	0.082	82.00	12,500	
9:1	10.0%	1,000	900	2,250.00	100	8,000.00	10,250.00	10.25	0.082	82.00	125,000	
9:1	10.0%	5,000	4,500	11,250.00	500	40,000.00	51,250.00	10.25	0.082	82.00	625,000	
9:1	10.0%	10,000	9,000	22,500.00	1,000	80,000.00	102,500.00	10.25	0.082	82.00	1,250,000	
10:1	9.1%	11	10	\$ 25.00	1	\$ 80.00	\$ 105.00	\$ 9.55	\$ 0.076	\$ 76.36	1,375	Above Ground; Deck - Dock
10:1	9.1%	110	100	250.00	10	800.00	1,050.00	9.55	0.076	76.36	13,750	
10:1	9.1%	1,100	1,000	2,500.00	100	8,000.00	10,500.00	9.55	0.076	76.36	137,500	
10:1	9.1%	5,500	5,000	12,500.00	500	40,000.00	52,500.00	9.55	0.076	76.36	687,500	
10:1	9.1%	11,000	10,000	25,000.00	1,000	80,000.00	105,000.00	9.55	0.076	76.36	1,375,000	
11:1	8.3%	12	11	\$ 27.50	1	\$ 80.00	\$ 107.50	\$ 8.96	\$ 0.072	\$ 71.67	1,500	Exposed: Structural & Millwork
11:1	8.3%	120	110	275.00	10	800.00	1,075.00	8.96	0.072	71.67	15,000	
11:1	8.3%	1,200	1,100	2,750.00	100	8,000.00	10,750.00	8.96	0.072	71.67	150,000	
11:1	8.3%	6,000	5,500	13,750.00	500	40,000.00	53,750.00	8.96	0.072	71.67	750,000	
11:1	8.3%	12,000	11,000	27,500.00	1,000	80,000.00	107,500.00	8.96	0.072	71.67	1,500,000	
12:1	7.7%	13	12	\$ 30.00	1	\$ 80.00	\$ 110.00	\$ 8.46	\$ 0.068	\$ 67.69	1,625	Construction Window
12:1	7.7%	130	120	300.00	10	800.00	1,100.00	8.46	0.068	67.69	16,250	
12:1	7.7%	1,300	1,200	3,000.00	100	8,000.00	11,000.00	8.46	0.068	67.69	162,500	
12:1	7.7%	6,500	6,000	15,000.00	500	40,000.00	55,000.00	8.46	0.068	67.69	812,500	
12:1	7.7%	13,000	12,000	30,000.00	1,000	80,000.00	110,000.00	8.46	0.068	67.69	1,625,000	
13:1	7.1%	14	13	\$ 32.50	1	\$ 80.00	\$ 112.50	\$ 8.04	\$ 0.064	\$ 64.29	1,750	180 Day Construction Window
13:1	7.1%	140	130	325.00	10	800.00	1,125.00	8.04	0.064	64.29	17,500	
13:1	7.1%	1,400	1,300	3,250.00	100	8,000.00	11,250.00	8.04	0.064	64.29	175,000	
13:1	7.1%	7,000	6,500	16,250.00	500	40,000.00	56,250.00	8.04	0.064	64.29	875,000	
13:1	7.1%	14,000	13,000	32,500.00	1,000	80,000.00	112,500.00	8.04	0.064	64.29	1,750,000	
14:1	6.7%	15	14	\$ 35.00	1	\$ 80.00	\$ 115.00	\$ 7.67	\$ 0.061	\$ 61.33	1,875	
14:1	6.7%	150	140	350.00	10	800.00	1,150.00	7.67	0.061	61.33	18,750	
14:1	6.7%	1,500	1,400	3,500.00	100	8,000.00	11,500.00	7.67	0.061	61.33	187,500	
14:1	6.7%	7,500	7,000	17,500.00	500	40,000.00	57,500.00	7.67	0.061	61.33	937,500	
14:1	6.7%	15,000	14,000	35,000.00	1,000	80,000.00	115,000.00	7.67	0.061	61.33	1,875,000	
15:1	6.3%	16	15	\$ 37.50	1	\$ 80.00	\$ 117.50	\$ 7.34	\$ 0.059	\$ 58.75	2,000	
15:1	6.3%	160	150	375.00	10	800.00	1,175.00	7.34	0.059	58.75	20,000	
15:1	6.3%	1,600	1,500	3,750.00	100	8,000.00	11,750.00	7.34	0.059	58.75	200,000	
15:1	6.3%	8,000	7,500	18,750.00	500	40,000.00	58,750.00	7.34	0.059	58.75	1,000,000	
15:1	6.3%	16,000	15,000	37,500.00	1,000	80,000.00	117,500.00	7.34	0.059	58.75	2,000,000	

*Carrier cost is based upon local bulk pricing of standard C-10 to C-16 Hydrocarbon solvents such as Conosol C-145 and 200, Calumet 142 and 420/460, Shellsol D-40 and 90, and Exxon-Mobil 150 and 200 Fluids. For best results, use lower viscosity solvents heated to 130° degrees Fahrenheit.

**Product #5006
CedarSeal™ Concentrate**

**CedarCide Industries, Inc.
Wood Treatment Formulation and Treatment Analysis**

**** Formulator Note:
Bulk rate of 8 gallons
per 1,000 board feet**

Dilution Ratio A:B	Active Pct	Formula Mixture (in gals)	Carrier (A)		Actives (B)		Formulation Cost		Treatment Cost & Coverage **			
			Product (in gals)	Cost* (\$2.50/gal)	Product (in gals)	Cost (\$85.00/gal)	Total Cost	Unit Cost (per gal)	Cost per ft (1gal=125ft)	Cost per 1,000 Bd Ft	Total Treatment (in board feet)	
9:1	10.0%	10	9	\$ 22.50	1	\$ 85.00	\$ 107.50	\$ 10.75	\$ 0.086	\$ 86.00	1,250	Below Ground and Water; Piers - Poles - Posts
9:1	10.0%	100	90	225.00	10	850.00	1,075.00	10.75	0.086	86.00	12,500	
9:1	10.0%	1,000	900	2,250.00	100	8,500.00	10,750.00	10.75	0.086	86.00	125,000	
9:1	10.0%	5,000	4,500	11,250.00	500	42,500.00	53,750.00	10.75	0.086	86.00	625,000	
9:1	10.0%	10,000	9,000	22,500.00	1,000	85,000.00	107,500.00	10.75	0.086	86.00	1,250,000	
10:1	9.1%	11	10	\$ 25.00	1	\$ 85.00	\$ 110.00	\$ 10.00	\$ 0.080	\$ 80.00	1,375	Above Ground; Sillplate - Deck - Dock
10:1	9.1%	110	100	250.00	10	850.00	1,100.00	10.00	0.080	80.00	13,750	
10:1	9.1%	1,100	1,000	2,500.00	100	8,500.00	11,000.00	10.00	0.080	80.00	137,500	
10:1	9.1%	5,500	5,000	12,500.00	500	42,500.00	55,000.00	10.00	0.080	80.00	687,500	
10:1	9.1%	11,000	10,000	25,000.00	1,000	85,000.00	110,000.00	10.00	0.080	80.00	1,375,000	
11:1	8.3%	12	11	\$ 27.50	1	\$ 85.00	\$ 112.50	\$ 9.38	\$ 0.075	\$ 75.00	1,500	Exposed; Structural & Millwork
11:1	8.3%	120	110	275.00	10	850.00	1,125.00	9.38	0.075	75.00	15,000	
11:1	8.3%	1,200	1,100	2,750.00	100	8,500.00	11,250.00	9.38	0.075	75.00	150,000	
11:1	8.3%	6,000	5,500	13,750.00	500	42,500.00	56,250.00	9.38	0.075	75.00	750,000	
11:1	8.3%	12,000	11,000	27,500.00	1,000	85,000.00	112,500.00	9.38	0.075	75.00	1,500,000	
12:1	7.7%	13	12	\$ 30.00	1	\$ 85.00	\$ 115.00	\$ 8.85	\$ 0.071	\$ 70.77	1,625	180 Day Construction Window
12:1	7.7%	130	120	300.00	10	850.00	1,150.00	8.85	0.071	70.77	16,250	
12:1	7.7%	1,300	1,200	3,000.00	100	8,500.00	11,500.00	8.85	0.071	70.77	162,500	
12:1	7.7%	6,500	6,000	15,000.00	500	42,500.00	57,500.00	8.85	0.071	70.77	812,500	
12:1	7.7%	13,000	12,000	30,000.00	1,000	85,000.00	115,000.00	8.85	0.071	70.77	1,625,000	
13:1	7.1%	14	13	\$ 32.50	1	\$ 85.00	\$ 117.50	\$ 8.39	\$ 0.067	\$ 67.14	1,750	Exposed; Structural & Millwork
13:1	7.1%	140	130	325.00	10	850.00	1,175.00	8.39	0.067	67.14	17,500	
13:1	7.1%	1,400	1,300	3,250.00	100	8,500.00	11,750.00	8.39	0.067	67.14	175,000	
13:1	7.1%	7,000	6,500	16,250.00	500	42,500.00	58,750.00	8.39	0.067	67.14	875,000	
13:1	7.1%	14,000	13,000	32,500.00	1,000	85,000.00	117,500.00	8.39	0.067	67.14	1,750,000	
14:1	6.7%	15	14	\$ 35.00	1	\$ 85.00	\$ 120.00	\$ 8.00	\$ 0.064	\$ 64.00	1,875	180 Day Construction Window
14:1	6.7%	150	140	350.00	10	850.00	1,200.00	8.00	0.064	64.00	18,750	
14:1	6.7%	1,500	1,400	3,500.00	100	8,500.00	12,000.00	8.00	0.064	64.00	187,500	
14:1	6.7%	7,500	7,000	17,500.00	500	42,500.00	60,000.00	8.00	0.064	64.00	937,500	
14:1	6.7%	15,000	14,000	35,000.00	1,000	85,000.00	120,000.00	8.00	0.064	64.00	1,875,000	
15:1	6.3%	16	15	\$ 37.50	1	\$ 85.00	\$ 122.50	\$ 7.66	\$ 0.061	\$ 61.25	2,000	180 Day Construction Window
15:1	6.3%	160	150	375.00	10	850.00	1,225.00	7.66	0.061	61.25	20,000	
15:1	6.3%	1,600	1,500	3,750.00	100	8,500.00	12,250.00	7.66	0.061	61.25	200,000	
15:1	6.3%	8,000	7,500	18,750.00	500	42,500.00	61,250.00	7.66	0.061	61.25	1,000,000	
15:1	6.3%	16,000	15,000	37,500.00	1,000	85,000.00	122,500.00	7.66	0.061	61.25	2,000,000	

*Carrier cost is based upon local bulk pricing of standard C-10 to C-16 Hydrocarbon solvents such as Conosol C-145 and 200, Calumet 142 and 420/460, Shellsol D-40 and 90, and Exxon-Mobil 150 and 200 Fluids. For best results, use lower viscosity solvents heated to 130° degrees Fahrenheit.

**Product #5007
CedarShield™ Concentrate**

**CedarCide Industries, Inc.
Wood Treatment Formulation and Cost Analysis**

**** Formulator Note:
Bulk rate of 8 gallons
per 1,000 board feet**

Dilution Ratio A:B	Active Pct	Formula Mixture (in gals)	Carrier (A)		Actives (B)		Formulation Cost		Treatment Cost & Coverage **			
			Product (in gals)	Cost* (\$2.50/gal)	Product (in gals)	Cost (\$120.00/gal)	Total Cost	Unit Cost (per gal)	Cost per ft (1gal=125ft)	Cost per 1,000 Bd Ft	Total Treatment (in board feet)	
8.5:1.5	15.0%	10	8.5	\$ 21.25	1.5	\$ 180.00	\$ 201.25	\$ 20.13	\$ 0.161	\$ 161.00	1,250	Woodturning, and Junk Wood Stability
8.5:1.5	15.0%	100	85	212.50	15	1,800.00	2,012.50	20.13	0.161	161.00	12,500	
8.5:1.5	15.0%	1,000	850	2,125.00	150	18,000.00	20,125.00	20.13	0.161	161.00	125,000	
8.5:1.5	15.0%	5,000	4,250	10,625.00	750	90,000.00	100,625.00	20.13	0.161	161.00	625,000	
8.5:1.5	15.0%	10,000	8,500	21,250.00	1,500	180,000.00	201,250.00	20.13	0.161	161.00	1,250,000	
9.5:1.5	13.6%	11	9.5	\$ 23.75	1.5	\$ 180.00	\$ 203.75	\$ 18.52	\$ 0.148	\$ 148.18	1,375	External Coatings: Cedar and Wood Shingles
9.5:1.5	13.6%	110	95	237.50	15	1,800.00	2,037.50	18.52	0.148	148.18	13,750	
9.5:1.5	13.6%	1,100	950	2,375.00	150	18,000.00	20,375.00	18.52	0.148	148.18	137,500	
9.5:1.5	13.6%	5,500	4,750	11,875.00	750	90,000.00	101,875.00	18.52	0.148	148.18	687,500	
9.5:1.5	13.6%	11,000	9,500	23,750.00	1,500	180,000.00	203,750.00	18.52	0.148	148.18	1,375,000	
10.5:1.5	12.5%	12	10.5	\$ 26.25	1.5	\$ 180.00	\$ 206.25	\$ 17.19	\$ 0.138	\$ 137.50	1,500	Internal Adhesion and Stabilization; Tools, Poles, Bats & Sports Equip.
10.5:1.5	12.5%	120	105	262.50	15	1,800.00	2,062.50	17.19	0.138	137.50	15,000	
10.5:1.5	12.5%	1,200	1,050	2,625.00	150	18,000.00	20,625.00	17.19	0.138	137.50	150,000	
10.5:1.5	12.5%	6,000	5,250	13,125.00	750	90,000.00	103,125.00	17.19	0.138	137.50	750,000	
10.5:1.5	12.5%	12,000	10,500	26,250.00	1,500	180,000.00	206,250.00	17.19	0.138	137.50	1,500,000	
11.5:1.5	11.5%	13	11.5	\$ 28.75	1.5	\$ 180.00	\$ 208.75	\$ 16.06	\$ 0.128	\$ 128.46	1,625	Construction Window Top Coating
11.5:1.5	11.5%	130	115	287.50	15	1,800.00	2,087.50	16.06	0.128	128.46	16,250	
11.5:1.5	11.5%	1,300	1,150	2,875.00	150	18,000.00	20,875.00	16.06	0.128	128.46	162,500	
11.5:1.5	11.5%	6,500	5,750	14,375.00	750	90,000.00	104,375.00	16.06	0.128	128.46	812,500	
11.5:1.5	11.5%	13,000	11,500	28,750.00	1,500	180,000.00	208,750.00	16.06	0.128	128.46	1,625,000	
12.5:1.5	10.7%	14	12.5	\$ 31.25	1.5	\$ 180.00	\$ 211.25	\$ 15.09	\$ 0.121	\$ 120.71	1,750	
12.5:1.5	10.7%	140	125	312.50	15	1,800.00	2,112.50	15.09	0.121	120.71	17,500	
12.5:1.5	10.7%	1,400	1,250	3,125.00	150	18,000.00	21,125.00	15.09	0.121	120.71	175,000	
12.5:1.5	10.7%	7,000	6,250	15,625.00	750	90,000.00	105,625.00	15.09	0.121	120.71	875,000	
12.5:1.5	10.7%	14,000	12,500	31,250.00	1,500	180,000.00	211,250.00	15.09	0.121	120.71	1,750,000	
13.5:1.5	10.0%	15	13.5	\$ 33.75	1.5	\$ 180.00	\$ 213.75	\$ 14.25	\$ 0.114	\$ 114.00	1,875	
13.5:1.5	10.0%	150	135	337.50	15	1,800.00	2,137.50	14.25	0.114	114.00	18,750	
13.5:1.5	10.0%	1,500	1,350	3,375.00	150	18,000.00	21,375.00	14.25	0.114	114.00	187,500	
13.5:1.5	10.0%	7,500	6,750	16,875.00	750	90,000.00	106,875.00	14.25	0.114	114.00	937,500	
13.5:1.5	10.0%	15,000	13,500	33,750.00	1,500	180,000.00	213,750.00	14.25	0.114	114.00	1,875,000	
14.5:1.5	9.4%	16	14.5	\$ 36.25	1.5	\$ 180.00	\$ 216.25	\$ 13.52	\$ 0.108	\$ 108.13	2,000	
14.5:1.5	9.4%	160	145	362.50	15	1,800.00	2,162.50	13.52	0.108	108.13	20,000	
14.5:1.5	9.4%	1,600	1,450	3,625.00	150	18,000.00	21,625.00	13.52	0.108	108.13	200,000	
14.5:1.5	9.4%	8,000	7,250	18,125.00	750	90,000.00	108,125.00	13.52	0.108	108.13	1,000,000	
14.5:1.5	9.4%	16,000	14,500	36,250.00	1,500	180,000.00	216,250.00	13.52	0.108	108.13	2,000,000	

*Carrier cost is based upon local bulk pricing of standard C-10 to C-16 Hydrocarbon solvents such as Conosol C-145 and 200, Calumet 142 and 420/460, Shellsol D-40 and 90, and Exxon-Mobil 150 and 200 Fluids. For best results, use lower viscosity solvents heated to 130° degrees Fahrenheit.