

# CARBOQUAT WP-50

## COMMERCIAL SOLUTION

### Heavy Duty Wood Preservative Concentrate (For Pressure Plant Use Only)

FOR USE ONLY AS A HEAVY DUTY WOOD PRESERVATIVE IN THE TREATMENT OF INDUSTRIAL AND NON-INDUSTRIAL WOOD PRODUCTS SUCH AS DECKS, PATIOS, FENCING, PLAY STRUCTURES, BOARDWALKS, PICNIC TABLES, LANDSCAPING TIMBERS, RESIDENTIAL AND NON RESIDENTIAL FENCING, DOCKS AND WALKWAYS, HIGHWAY CONSTRUCTION, LUMBER AND TIMBERS FOR BRIDGES, BRIDGE DECKING, HAND RAILS, GUARD RAILS, SPACER BLOCKS, AND POSTS.

**ACTIVE INGREDIENT:**

didecyldimethylammonium, present as carbonate and bicarbonate salts..... 43.0%

**DANGER**



**POISON**



**CORROSIVE**

CORROSIVE TO EYES AND SKIN

**READ THE LABEL BEFORE USING**

REGISTRATION NO. 28633 PEST  
CONTROL PRODUCTS ACT

NET CONTENTS: 20 L - Bulk

ARXADA, LLC  
412 Mount Kemble Avenue, Suite  
2005 Morristown NJ 07960  
201-316-9200

### **USE RESTRICTIONS:**

The use of Carboquat WP-50 mixed with NW 100-C or ACQ-C2 EU Wood Preservative Concentrate, or MicroPro 200C-TS is for the preservation of wood against fungal decay. For use as a heavy duty wood preservative in the treatment of industrial and non-industrial wood for above ground and ground contact in the following categories: Residential construction such as decks, patios, fencing, lattice panels, deck accessories, play structures, siding, plywood, sill plate, and/or Recreational applications such as walkways, board walks, landscaping, docks, gazebos, and/or General Construction and commercial applications such as dimensional lumber, structural timbers, posts, decking and/or Agriculture and Horticulture applications such as fencing, framing and building poles and/or Highway construction applications such as lumber and timbers for bridges, bridge decking, hand rails, guard rails, spacer blocks, posts.

Do not use to treat wood in poles or pilings.  
DO NOT apply this product to wood that will be used in water.  
Do not burn treated wood.

If using with MicroPro 200C-TS, *do not use to treat wood used in critical infrastructures such as bridges, utility poles, pilings, railway ties, foundations, etc.*

Treated wood is not to be used in contact with foodstuffs such as edible plants or for construction of food holding containers, food storage facilities or food growing buildings, e.g., mushroom houses.

Treated sawdust, shavings and residues of the treatment process should not come in contact with livestock or be used as bedding or litter.

For further information on storage, handling, and disposal of treated wood, contact the manufacturer of this product or the provincial regulatory agency.

### **ENVIRONMENTAL HAZARDS:**

TOXIC to aquatic organisms.  
DO NOT contaminate aquatic habitats by cleaning of equipment or disposal of wastes.  
DO NOT discharge effluents containing this product into sewer systems, lakes, streams, ponds, estuaries, oceans or other waters.  
DO NOT expose treated lumber to rain immediately after treatment.  
DO NOT float treated lumber in lakes, rivers, streams, or oceans.

### **DIRECTIONS FOR USE:**

The contents are for use in closed vacuum-pressure treatment systems for wood products. Place the wood to be treated into the pressure cylinder and seal unit. Tank mix CARBOQUAT WP-50, NW 100-C (Reg. No. 28634) and water or CARBOQUAT WP-50, ACQ-C2 EU (Reg. No. 28635) and water or CARBOQUAT WP-50, MicroPro 200C-TS (Reg.No. 30196) at a 2:1 ratio with water to produce a 0.5 - 3.4% active solution. The Solution Mixing Table for NW 100-C or ACQ-C2 EU or MicroPro 200C-TS and CARBOQUAT WP-50 is to be used when tank mixing the preservatives to ensure the correct ratio of the actives (2 CuO: 1 Carboquat). The treatment solution should be

checked periodically and adjusted if necessary to ensure that the ratio of the two preservative components is maintained. When tank mixing with CARBOQUAT WP-50, a closed-system must be used when preparing the use-solution and for delivery of the use-solution to the treatment vessel.

Treat the wood using the pressure treatment procedures consistent with the equipment being used and standard treatment practices. The target retention will be dependent upon the intended use of the treated wood. Treatment conditions must be calibrated to yield the retention levels found in the following table:

End Use	Target Retention (kg/m <sup>3</sup> )
Above Ground-Non Structural	2.0
Above Ground-Structural	4.0
Ground Contact	6.4

Dip tanks and drip aprons must be roofed, paved and drained to prevent dilution and loss of treatment solution.

Store treated lumber on a roofed drip pad until dripping has ceased and wood has undergone full stabilization. Slope lumber on the drip pad to expedite drainage and to ensure that no puddles remain on the surface of the wood. Observation of the wood should be made to detect the presence of any visible surface residues. Any surface residues must be removed prior to the wood being shipped. Manage drippage and other related wastes to prevent release in the environment.

**Mixing Table for ACQ-C2 EU or NW 100-C + Carboquat WP-50  
Copper/Quat 2:1 Ratio**

Solution strength % active	Component balance Active Basis %		To mix 10,000 litres of treating solution, combine the following components (all quantities in litres)		
	CuO	Quat	ACQ-C2 EU or NW 100-C	Carboquat WP-50	Water
0.50	0.333	0.167	253	40	9707
0.55	0.367	0.183	278	44	9678
0.60	0.400	0.200	303	48	9648
0.65	0.433	0.217	329	52	9619
0.70	0.467	0.233	354	56	9590
0.75	0.500	0.250	379	60	9560
0.80	0.533	0.267	404	64	9531
0.85	0.567	0.283	430	68	9502
0.90	0.600	0.300	455	72	9473
0.95	0.633	0.317	480	76	9443
1.00	0.667	0.333	506	80	9414
1.10	0.733	0.367	556	88	9355
1.20	0.800	0.400	607	96	9297
1.30	0.867	0.433	657	105	9238
1.40	0.933	0.467	708	113	9180

2024-1742  
2024-04-25

Last approved 2021-6463 2022-01-14. Updates from 2017-5731 2018-12-14

1.50	1.000	0.500	758	121	9121
1.60	1.067	0.533	809	129	9062
1.70	1.133	0.567	860	137	9004
1.80	1.200	0.600	910	145	8945
1.90	1.267	0.633	961	153	8887
2.00	1.333	0.667	1011	161	8828
2.10	1.400	0.700	1062	169	8769
2.20	1.467	0.733	1112	177	8711
2.30	1.533	0.767	1163	185	8652
2.40	1.600	0.800	1213	193	8594
2.50	1.667	0.833	1264	201	8535
2.60	1.733	0.867	1315	209	8476
2.70	1.800	0.900	1365	217	8418
2.80	1.867	0.933	1416	225	8359
2.90	1.933	0.967	1466	233	8301
3.00	2.000	1.000	1517	241	8242
3.10	2.067	1.033	1567	249	8183
3.20	2.133	1.067	1618	257	8125
3.30	2.200	1.100	1669	265	8066
3.40	2.267	1.133	1719	273	8008

Long term use history of ACQ treated wood in industrial uses is currently limited. Inspection programs for critical infrastructures should take this into consideration.

**Mixing Table for MicroPro 200C-TS+ Carboquat WP-50  
Copper/Quat 2:1 Ratio**

Solution Strength, % Active	Component Balance Actives Basis (%)		To Mix 10000 litres of treating solution Combine following components (all volumes shown in litres)		
	CuO	Quat	MicroPro 200C-TS	Carboquat WP-50	Water
0.30	0.200	0.100	35	21	9944
0.35	0.234	0.117	41	24	9935
0.40	0.266	0.133	46	28	9926
0.45	0.300	0.150	52	31	9917
0.50	0.334	0.167	58	35	9907
0.55	0.366	0.183	64	38	9898
0.60	0.400	0.200	69	42	9889
0.65	0.434	0.217	75	45	9880
0.70	0.466	0.233	81	49	9870
0.75	0.500	0.250	87	52	9861
0.80	0.534	0.267	93	56	9851
0.85	0.566	0.283	99	59	9842
0.90	0.600	0.300	104	63	9833
0.95	0.634	0.317	110	66	9824
1.00	0.666	0.333	116	70	9814
1.10	0.734	0.367	128	77	9795
1.20	0.800	0.400	140	84	9776
1.30	0.866	0.433	151	91	9758
1.40	0.934	0.467	163	98	9739

1.50	1.000	0.500	175	105	9720
1.60	1.066	0.533	187	112	9701
1.70	1.134	0.567	198	120	9682
1.80	1.200	0.600	210	127	9663
1.90	1.266	0.633	222	134	9644
2.00	1.334	0.667	234	141	9625
2.10	1.400	0.700	246	148	9606
2.20	1.466	0.733	258	155	9587
2.30	1.534	0.767	270	162	9568
2.40	1.600	0.800	281	170	9549
2.50	1.666	0.833	294	177	9529
2.60	1.734	0.867	306	183	9511
2.70	1.800	0.900	318	191	9491
2.80	1.866	0.933	330	198	9472
2.90	1.934	0.967	342	205	9453
3.00	2.000	1.000	354	212	9434
3.10	2.066	1.033	366	220	9414
3.20	2.134	1.067	378	227	9395
3.30	2.200	1.100	390	234	9376
3.40	2.266	1.133	402	242	9356
3.50	2.334	1.167	414	249	9337
3.60	2.400	1.200	426	257	9317
3.70	2.466	1.233	438	264	9298
3.80	2.534	1.267	451	271	9278
3.90	2.600	1.300	463	278	9259

**PRECAUTIONS:**

**FATAL OR POISONOUS IF SWALLOWED OR INHALED. CORROSIVE TO EYES AND SKIN. CAUSES IRREVERSIBLE EYE DAMAGE AND SEVERE SKIN BURNS. KEEP OUT OF REACH OF CHILDREN.**

**DO NOT get on skin, eyes, or clothing.** Wear full-face protection, chemical-resistant coveralls over long sleeved shirt and long pants, chemical-resistant gloves, socks and chemical-resistant footwear when handling the concentrate or dilute solution, when opening treating cylinder doors and during cleaning, maintenance and repair activities on storage vessels or treating cylinders. In addition, wear either a respirator with a NIOSH/MSHA/BHSE approved organic-vapour-removing cartridge with a prefilter approved for pesticides OR a NIOSH/MSHA/BHSE approved canister approved for pesticides when handling the concentrate, when handling the dilute solution if the area is not well ventilated, when opening treating cylinder doors and during cleaning, maintenance and repair activities on storage vessels or treating cylinders. Wear chemical-resistant coveralls over long sleeved shirt and long pants, goggles or face shield and chemical-resistant gloves when handling freshly treated wood.

**FIRST-AID:**

**IF SWALLOWED:** Call a poison control centre or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control centre or doctor. Do not give anything by mouth to an unconscious person.

**IF ON SKIN/CLOTHING:** Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control centre or doctor for treatment advice.

**IF IN EYES:** Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control centre or doctor for treatment advice.

**IF INHALED:** Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. Call a poison control centre or doctor for treatment advice.

**GENERAL:** Never give anything by mouth to an unconscious person. Remove person to a safe and uncontaminated area. Seek medical attention immediately if irritation persists or is severe. Take the container label or product name and Pest Control Product Registration Number with you when seeking medical attention.

**TOXICOLOGICAL INFORMATION:**

Probable mucosal damage may contraindicate the use of gastric lavage. Measures against circulatory shock, respiratory depression and convulsion may be needed. Treat symptomatically.

**STORAGE:**

**To prevent contamination store this product away from food or feed.**

**DISPOSAL/DECONTAMINATION:**

1. Triple-or pressure-rinse the empty container. Add the rinsings to the treatment site.
2. Follow provincial instructions for any required additional cleaning of the container prior to disposal.
3. Make the empty container unsuitable for further use.
4. Dispose of the container in accordance with provincial requirements.
5. For information on disposal of unused, unwanted product, contact the manufacturer or the provincial regulatory agency. Contact the manufacturer and the provincial regulatory agency in case of a spill, and for clean-up of spills.

**NOTICE TO USER:**

This pest control product is to be used only in accordance with the directions on the label. It is an offence under the *Pest Control Products Act* to use this product in a way that is inconsistent with the directions on the label.