

2021-0179
2021-12-30

ACQ-C2 EU

COMPONENT FOR WOOD PRESERVATIVE ACQ and COPPER AZOLE

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.

SOLUTION

COMMERCIAL

ACTIVE INGREDIENT:

Copper, present as mixed copper ethanolamine complexes 9.0%

DANGER



POISON



**CORROSIVE
TO EYES AND SKIN**

POTENTIAL SKIN SENSITIZER

READ THE LABEL BEFORE USING

REGISTRATION NO.: 28635
PEST CONTROL PRODUCTS ACT

NET CONTENTS: 11 370 L to 18 950 L

Viance LLC
8001 IBM
Drive
Charlotte, NC 28262
USA
1-800-421-8661

USE LIMITATIONS:

The use of ACQ-C2 EU mixed with Q50-C or Ecolife - CDN is for the preservation of wood against fungal decay. 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 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, boardwalks, 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 apply this product to wood that will be used in water.

Do not burn treated wood.

Do not use to treat wood in poles or pilings.

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

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 mixing with Q50-C

Tank mix ACQ-C2 EU, Q50-C (Reg. No. 29121) and water to produce a 0.5 - 3.4% active solution. The Solution Mixing Table for ACQ-C2 EU and Q50-C 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. Treat the wood using the pressure treatment procedures consistent with the equipment being used and standard treatment practices. Treatment conditions must be calibrated to yield the retention levels found in the following table:

<u>End Use</u>	Target Retention ACQ-C2 EU + Q50C (kg/m ³)
Above ground – Non structural	4.0
Above ground – Structural	6.4
Ground Contact	6.4

Tank mixing with Ecolife™ - CDN

Tank mix ACQ-C2 EU, Ecolife - CDN (Reg. No. 32361) and water to produce a 0.3 - 3.0% active solution of copper azole. The Solution Mixing Table for ACQ-C2 EU and Ecolife - CDN is to be used when tank mixing the preservatives to ensure the correct ratio of the actives. The treatment solution should be checked periodically and adjusted if necessary to ensure that the ratio of the two preservative components is maintained. Treat the wood using the pressure treatment procedures consistent with the equipment being used and standard treatment practices. Treatment conditions must be calibrated to yield the retention levels found in the following table:

<u>End Use</u>	Target Retention ACQ-C2 EU + Ecolife - CDN (kg/m ³) (Cu + Tebuconazole)
Above ground	1.7
Ground contact	3.3
Ground Contact (severe decay hazard)	5.0

DO NOT contaminate irrigation or drinking water supplies or aquatic habitats by cleaning of equipment or disposal of wastes.

DO NOT apply this product directly to freshwater habitats (such as lakes, rivers, sloughs, ponds, prairie potholes, creeks, marshes, streams, reservoirs and wetlands), or estuarine/marine habitats.

DO NOT discharge effluent containing this product or the biocide produced into sewer systems, lakes, streams, ponds, estuaries, oceans or other waters unless the effluent has been detoxified by suitable means

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. Slope lumber on the drip pad to expedite drainage and to ensure that no puddles remain on the surface of the wood. Manage drippage and other related wastes to prevent release in the environment.

Drip aprons must be roofed, paved and drained to prevent dilution and loss of treatment solution. DO NOT expose treated lumber to rains immediately after treatment.

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

STORAGE:

DO NOT USE OR STORE CONCENTRATE NEAR HEAT OR OPEN FLAME.
DO NOT USE IN CONTACT WITH BRASS, BRONZE OR COPPER.

PRECAUTIONS:

HARMFUL IF SWALLOWED. MAY BE FATAL IF INHALED.

CORROSIVE TO EYES AND SKIN.

Causes irreversible eye damage and severe skin burns.

Potential skin sensitizer.

DO NOT get on skin, eyes, or clothing.

Wear full- face protection, chemical-resistant coveralls over a 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 a 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 by 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 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. Treat symptomatically.

ENVIRONMENTAL PRECAUTIONS:

TOXIC to aquatic organisms.

DO NOT discharge effluents containing this product into sewer systems, lakes, streams, ponds, estuaries, oceans or other waters.

DO NOT contaminate bodies of water or surrounding area through direct disposal, cleaning of equipment or runoff water from the treatment and storage yards. Open dumping is prohibited.

DO NOT contaminate aquatic habitats by cleaning of equipment or disposal of wastes.

DO NOT expose treated lumber to rain immediately after treatment.

DO NOT float treated lumber in lakes, rivers, streams, or oceans.

DISPOSAL/DECONTAMINATION:

1. Triple- or pressure-rinse the empty container. Add the rinsings to the treatment site.
2. Follow provincial instruction for any required additional cleaning of the container prior to its disposal.
3. Make the empty container unsuitable for further use.
4. Dispose of the container in accordance with provincial requirements.
5. For information on the 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.

Example mix table for tank mixes of ACQ-C2 EU and Q50-C to make ACQ treating solutions

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	Q50-C	Water
0.50	0.333	0.167	253	40.0	9707
0.55	0.367	0.183	278	44.0	9678
0.60	0.400	0.200	303	48.0	9648
0.65	0.433	0.217	329	52.0	9619
0.70	0.467	0.233	354	56.0	9590
0.75	0.500	0.250	379	60.0	9560
0.80	0.533	0.267	404	64.0	9531
0.85	0.567	0.283	430	68.0	9502
0.90	0.600	0.300	455	72.0	9473
0.95	0.633	0.317	480	76.0	9443
1.00	0.667	0.333	506	80.0	9414
1.10	0.733	0.367	556	88.0	9355
1.20	0.800	0.400	607	96.0	9297
1.30	0.867	0.433	657	105.0	9238
1.40	0.933	0.467	708	113.0	9180
1.50	1.000	0.500	758	121.0	9121
1.60	1.067	0.533	809	129.0	9062
1.70	1.133	0.567	860	137.0	9004
1.80	1.200	0.600	910	145.0	8945
1.90	1.267	0.633	961	153.0	8887
2.00	1.333	0.667	1011	161.0	8828
2.10	1.400	0.700	1062	169.0	8769
2.20	1.467	0.733	1112	177.0	8711
2.30	1.533	0.767	1163	185.0	8652
2.40	1.600	0.800	1213	193.0	8594
2.50	1.667	0.833	1264	201.0	8535
2.60	1.733	0.867	1315	209.0	8476
2.70	1.800	0.900	1365	217.0	8418
2.80	1.867	0.933	1416	225.0	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

Example mix table for tank mixes of ACQ-C2 EU and Ecolife – CDN to make copper azole treating solutions

Solution Strength % Actives	Component Balance % Active Basis		To mix 10,000 liters of treating solution combine the following components (all quantities in litres)		
	Copper	Tebuconazole	ACQ-C2 EU	Ecolife – CDN	Water
0.3	0.289	0.011	275	9.6	9716
0.4	0.385	0.015	367	13.1	9620
0.5	0.481	0.019	459	16.6	9524
0.6	0.577	0.023	552	20.1	9428
0.7	0.673	0.027	645	23.7	9332
0.8	0.770	0.030	739	26.4	9235
0.9	0.866	0.034	833	29.9	9137
1	0.962	0.038	927	33.5	9040
1.1	1.058	0.042	1021	37.1	8942
1.2	1.154	0.046	1116	40.7	8843
1.3	1.251	0.049	1212	43.5	8745
1.4	1.347	0.053	1307	47.1	8646
1.5	1.442	0.057	1403	50.8	8546
1.6	1.539	0.061	1499	54.4	8447
1.7	1.635	0.065	1595	58.1	8347
1.8	1.732	0.068	1693	60.9	8246
1.9	1.828	0.072	1790	64.6	8145
2	1.924	0.076	1888	68.3	8044
2.1	2.020	0.080	1985	72.0	7943
2.2	2.116	0.084	2083	75.8	7841
2.3	2.213	0.087	2183	78.6	7739
2.4	2.309	0.091	2282	82.4	7636
2.5	2.405	0.095	2381	86.1	7533
2.6	2.501	0.099	2480	89.9	7430
2.7	2.597	0.103	2580	93.7	7326
2.8	2.694	0.106	2681	96.6	7222
2.9	2.790	0.110	2782	100.5	7118
3	2.886	0.114	2882	104.3	7013