

83997-4

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, D.C. 20460

MAY 26 2011

Kevin J. Archer  
Director Product Development  
Viance, LLC  
Suite 350  
200 East Woodlawn Road  
Charlotte, NC 28217

OFFICE OF CHEMICAL SAFETY  
AND POLLUTION PREVENTION

Subject: **ACQ-C2**  
EPA Registration Number: 83997-4  
Application Date: March 11, 2011  
Receipt Date: March 28, 2011

Dear: Mr. Archer

The following amendment, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA), as amended, is acceptable.

**Proposed Amendments**

Registrant is updating label per Agency conditional registration letter dated September 23, 2010.

**General Comments**

A stamped label with conditions is enclosed. Submit a final printed label before distributing or selling the product bearing the revised labeling .

Should you have questions concerning this letter, please contact me by telephone at (703) 308-6416 or by e-mail at [Campbell-mcfarlane.jacqueline@epa.gov](mailto:Campbell-mcfarlane.jacqueline@epa.gov) or Glen McLeod by telephone at (703) 347-0181 or by email at [mcleod.glen@epa.gov](mailto:mcleod.glen@epa.gov). When you are submitting information or data in response to this letter, send a copy of this letter to accompany the submission in order to facilitate processing.

Sincerely,

Jacqueline Campbell-McFarlane  
Product Manager 34  
Regulatory Management Branch II  
Antimicrobials Division (751-0P)

SYMBOL							
SURNAME							
DATE							

## PRECAUTIONARY STATEMENTS

### Hazards To Humans And Domestic Animals

**DANGER:** Corrosive. Causes irreversible eye damage. Causes skin burns. Harmful if absorbed through skin. Do not get in eyes, on skin, or on clothing. Harmful if swallowed. Harmful if inhaled. Avoid breathing vapor or mist, Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.

### PERSONAL PROTECTIVE EQUIPMENT:

Mixers, loaders, applicators and other handlers must wear: Coveralls over long sleeved-shirt and long pants; Socks and Chemical resistant footwear; Goggles or face shield; chemical resistant gloves made of barrier laminate, Butyl rubber, Nitrile rubber, Neoprene rubber, Polyvinyl chloride; and a Chemical resistant apron when mixing, loading, or cleaning equipment.

Follow manufacture's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry. Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them.

### USER SAFETY REQUIREMENTS:

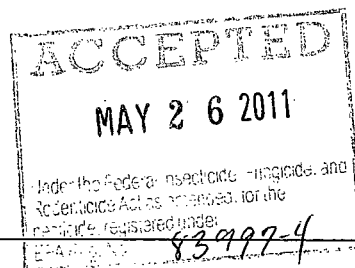
User must wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.

User must remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.

Users must remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible wash thoroughly and change into clean clothing.

**ENVIRONMENTAL HAZARDS:** Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or other water unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance, contact your State Water Board or Regional Office of the Environmental Protection Agency.

Net Contents: \_\_\_\_\_



## ACQ-C2

For the Control of Wood Damaging Fungi and Insects

<b>Active Ingredient:</b>	
Copper Ethanolamine Complex,(CAS # 14215-52-2)*	26.0%
<b>Inert Ingredients</b>	74.0%
<b>Total</b>	100.0%

\*Metallic Copper equivalent, 9.0%

### KEEP OUT OF REACH OF CHILDREN DANGER FIRST AID

**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 center or doctor for treatment advice.

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

**IF SWALLOWED:** Call a poison control center 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 center or doctor. Do not give anything by mouth to an unconscious person.

**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 center or doctor for further treatment advice.

Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

**NOTE TO PHYSICIAN:** Probable mucosal damage may contraindicate the use of gastric lavage.

### SEE SIDE PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS

Manufactured For:  
Viance, LLC.  
200 East Woodlawn Road,  
Suite 350  
Charlotte NC 28217  
Email:



[productinfo@viance.net](mailto:productinfo@viance.net)

**In case of transportation emergency  
Phone:1-800-424-9300 (CHEMTREC)**

EPA Reg. No. 83997-4  
EPA Est. No. 10465-NC-1

## DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

Use ACQ-C2 to control all types of fungal decay of wood products – brown, white and soft rot and wood eating insects including termites. ACQ-C2 should be used to treat any wood product that will be exposed to conditions favorable to rot, decay or insect attack both above ground and in ground or water. Types of products include lumber, timbers, landscape ties, fence posts, building and utility poles, land, freshwater and marine piling, sea walls, decking and wood shingles.

Tank mix ACQ-C2 with EPA registered wood preservative compounds approved for wood treatment. Apply the tank mixed solution by pressure impregnation. Use the example mixing instructions attached to this label to achieve the desired solution concentration. The percent solution to be used should be based on the retention, in lbs. per cubic foot (pcf), specified by the purchaser and by the treating process used.

A 3% solution can be used to field coat the cut ends of pressure treated wood by brush-on application.

## STORAGE & DISPOSAL

Do not contaminate water, food or feed by storage or disposal.

**Pesticide Storage:** Store in original container in a cool, dry place.

**Pesticide Disposal:** Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the hazardous Waste representative at the nearest EPA Regional Office for guidance.

**Container Disposal:** Non refillable container. Do not reuse or refill this container. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container ¼ full with water. Replace and tighten closures. Tip container on its side and roll it back and forth several times. Empty the rinsate in application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. Then offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration or by other procedures allowed by state and local authorities.

# Example Mixing Table for ACQ®-C2 and Q50-C to make ACQ Type A

Required Solution Strength (% active)	Component balance (actives basis)		To mix 1000 gal treating solution combine the following quantities of		
	CuO (equivalent)	Quat	ACQ-C2 (gal)	Q50-C, Q50 (gal)	Water (gal)
0.40%	0.20%	0.20%	14.0	4.1	981.9
0.45%	0.23%	0.23%	15.7	4.7	979.6
0.50%	0.25%	0.25%	17.5	5.2	977.3
0.55%	0.28%	0.28%	19.2	5.7	975.1
0.60%	0.30%	0.30%	21.0	6.2	972.8
0.65%	0.33%	0.33%	22.7	6.7	970.6
0.70%	0.35%	0.35%	24.5	7.3	968.3
0.75%	0.38%	0.38%	26.2	7.8	966.0
0.80%	0.40%	0.40%	28.0	8.3	963.8
0.85%	0.43%	0.43%	29.7	8.8	961.5
0.90%	0.45%	0.45%	31.4	9.3	959.2
0.95%	0.48%	0.48%	33.2	9.8	957.0
1.00%	0.50%	0.50%	34.9	10.4	954.7
1.05%	0.53%	0.53%	36.7	10.9	952.4
1.10%	0.55%	0.55%	38.4	11.4	950.2
1.15%	0.58%	0.58%	40.2	11.9	947.9
1.20%	0.60%	0.60%	41.9	12.4	945.6
1.25%	0.63%	0.63%	43.7	13.0	943.4
1.30%	0.65%	0.65%	45.4	13.5	941.1
1.35%	0.68%	0.68%	47.2	14.0	938.8
1.40%	0.70%	0.70%	48.9	14.5	936.6
1.45%	0.73%	0.73%	50.7	15.0	934.3
1.50%	0.75%	0.75%	52.4	15.5	932.0
1.55%	0.78%	0.78%	54.2	16.1	929.8
1.60%	0.80%	0.80%	55.9	16.6	927.5
1.65%	0.83%	0.83%	57.7	17.1	925.2
1.70%	0.85%	0.85%	59.4	17.6	923.0
1.75%	0.88%	0.88%	61.2	18.1	920.7
1.80%	0.90%	0.90%	62.9	18.7	918.4
1.85%	0.93%	0.93%	64.7	19.2	916.2
1.90%	0.95%	0.95%	66.4	19.7	913.9
1.95%	0.98%	0.98%	68.1	20.2	911.6
2.00%	1.00%	1.00%	69.9	20.7	909.4
2.05%	1.03%	1.03%	71.6	21.3	907.1

Required Solution Strength (% active)	Component balance (actives basis)		To mix 1000 gal treating solution combine the following quantities of		
	CuO (equivalent)	Quat	ACQ-C2 (gal)	Q50-C, Q50 (gal)	Water (gal)
2.10%	1.05%	1.05%	73.4	21.8	904.8
2.15%	1.08%	1.08%	75.1	22.3	902.6
2.20%	1.10%	1.10%	76.9	22.8	900.3
2.25%	1.13%	1.13%	78.6	23.3	898.0
2.30%	1.15%	1.15%	80.4	23.8	895.8
2.35%	1.18%	1.18%	82.1	24.4	893.5
2.40%	1.20%	1.20%	83.9	24.9	891.2
2.45%	1.23%	1.23%	85.6	25.4	889.0
2.50%	1.25%	1.25%	87.4	25.9	886.7
2.55%	1.28%	1.28%	89.1	26.4	884.4
2.60%	1.30%	1.30%	90.9	27.0	882.2
2.65%	1.33%	1.33%	92.6	27.5	879.9
2.70%	1.35%	1.35%	94.4	28.0	877.6
2.75%	1.38%	1.38%	96.1	28.5	875.4
2.80%	1.40%	1.40%	97.9	29.0	873.1
2.85%	1.43%	1.43%	99.6	29.5	870.8
2.90%	1.45%	1.45%	101.4	30.1	868.6
2.95%	1.48%	1.48%	103.1	30.6	866.3
3.00%	1.50%	1.50%	104.9	31.1	864.0
3.05%	1.53%	1.53%	106.6	31.6	861.8
3.10%	1.55%	1.55%	108.4	32.1	859.5
3.15%	1.58%	1.58%	110.1	32.7	857.2
3.20%	1.60%	1.60%	111.9	33.2	855.0
3.25%	1.63%	1.63%	113.6	33.7	852.7
3.30%	1.65%	1.65%	115.3	34.2	850.4
3.35%	1.68%	1.68%	117.1	34.7	848.2
3.40%	1.70%	1.70%	118.8	35.3	845.9
3.45%	1.73%	1.73%	120.6	35.8	843.6
3.50%	1.75%	1.75%	122.3	36.3	841.4
3.55%	1.78%	1.78%	124.1	36.8	839.1
3.60%	1.80%	1.80%	125.8	37.3	836.8
3.65%	1.83%	1.83%	127.6	37.8	834.6
3.70%	1.85%	1.85%	129.3	38.4	832.3
3.75%	1.88%	1.88%	131.1	38.9	830.0

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## Example Mixing Table for ACQ®-C2 and Q50-C to make ACQ Type D

Required Solution strength (% active)	Component balance (actives basis)		To mix 1000 gal treating solution combine the following quantities of		
	CuO (equivalent)	Quat	ACQ-C2 (gal)	Q50-C, Q50 (gal)	Water (gal)
0.40%	0.27%	0.13%	18.6	2.8	978.6
0.45%	0.30%	0.15%	21.0	3.1	975.9
0.50%	0.33%	0.17%	23.3	3.5	973.3
0.55%	0.37%	0.18%	25.6	3.8	970.6
0.60%	0.40%	0.20%	28.0	4.1	967.9
0.65%	0.43%	0.22%	30.3	4.5	965.2
0.70%	0.47%	0.23%	32.6	4.8	962.6
0.75%	0.50%	0.25%	34.9	5.2	959.9
0.80%	0.53%	0.27%	37.3	5.5	957.2
0.85%	0.57%	0.28%	39.6	5.9	954.5
0.90%	0.60%	0.30%	41.9	6.2	951.8
0.95%	0.63%	0.32%	44.3	6.6	949.2
1.00%	0.67%	0.33%	46.6	6.9	946.5
1.05%	0.70%	0.35%	48.9	7.3	943.8
1.10%	0.73%	0.37%	51.3	7.6	941.1
1.15%	0.77%	0.38%	53.6	7.9	938.5
1.20%	0.80%	0.40%	55.9	8.3	935.8
1.25%	0.83%	0.42%	58.2	8.6	933.1
1.30%	0.87%	0.43%	60.6	9.0	930.4
1.35%	0.90%	0.45%	62.9	9.3	927.8
1.40%	0.93%	0.47%	65.2	9.7	925.1
1.45%	0.97%	0.48%	67.6	10.0	922.4
1.50%	1.00%	0.50%	69.9	10.4	919.7
1.55%	1.03%	0.52%	72.2	10.7	917.1
1.60%	1.07%	0.53%	74.6	11.1	914.4
1.65%	1.10%	0.55%	76.9	11.4	911.7
1.70%	1.13%	0.57%	79.2	11.7	909.0
1.75%	1.17%	0.58%	81.5	12.1	906.4
1.80%	1.20%	0.60%	83.9	12.4	903.7
1.85%	1.23%	0.62%	86.2	12.8	901.0
1.90%	1.27%	0.63%	88.5	13.1	898.3
1.95%	1.30%	0.65%	90.9	13.5	895.7
2.00%	1.33%	0.67%	93.2	13.8	893.0
2.05%	1.37%	0.68%	95.5	14.2	890.3

Required Solution strength (% active)	Component balance (actives basis)		To mix 1000 gal treating solution combine the following quantities of		
	CuO (equivalent)	Quat	ACQ-C2 (gal)	Q50-C, Q50 (gal)	Water (gal)
2.10%	1.40%	0.70%	97.9	14.5	887.6
2.15%	1.43%	0.72%	100.2	14.9	885.0
2.20%	1.47%	0.73%	102.5	15.2	882.3
2.25%	1.50%	0.75%	104.8	15.6	879.6
2.30%	1.53%	0.77%	107.2	15.9	876.9
2.35%	1.57%	0.78%	109.5	16.2	874.2
2.40%	1.60%	0.80%	111.8	16.6	871.6
2.45%	1.63%	0.82%	114.2	16.9	868.9
2.50%	1.67%	0.83%	116.5	17.3	866.2
2.55%	1.70%	0.85%	118.8	17.6	863.5
2.60%	1.73%	0.87%	121.2	18.0	860.9
2.65%	1.77%	0.88%	123.5	18.3	858.2
2.70%	1.80%	0.90%	125.8	18.7	855.5
2.75%	1.83%	0.92%	128.2	19.0	852.8
2.80%	1.87%	0.93%	130.5	19.4	850.2
2.85%	1.90%	0.95%	132.8	19.7	847.5
2.90%	1.93%	0.97%	135.1	20.0	844.8
2.95%	1.97%	0.98%	137.5	20.4	842.1
3.00%	2.00%	1.00%	139.8	20.7	839.5
3.05%	2.03%	1.02%	142.1	21.1	836.8
3.10%	2.07%	1.03%	144.5	21.4	834.1
3.15%	2.10%	1.05%	146.8	21.8	831.4
3.20%	2.13%	1.07%	149.1	22.1	828.7
3.25%	2.17%	1.08%	151.5	22.5	826.1
3.30%	2.20%	1.10%	153.8	22.8	823.4
3.35%	2.23%	1.12%	156.1	23.2	820.7
3.40%	2.27%	1.13%	158.5	23.5	818.0
3.45%	2.30%	1.15%	160.8	23.8	815.4
3.50%	2.33%	1.17%	163.1	24.2	812.7
3.55%	2.37%	1.18%	165.5	24.5	810.0
3.60%	2.40%	1.20%	167.8	24.9	807.3
3.65%	2.43%	1.22%	170.1	25.2	804.7
3.70%	2.47%	1.23%	172.4	25.6	802.0
3.75%	2.50%	1.25%	174.8	25.9	799.3

# Example Mixing Table for ACQ®-C2 and Ecovance™ wood preservative components

Solution strength (% active)	Component balance (actives basis)		To Mix 1000 gallons treating solution combine the following quantities of		
	CuO (equivalent)	DCOIT	ACQ-C2 (gal)	Ecovance™ (gal)	Water (gal)
0.50%	0.479%	0.021%	33.4	0.9	965.7
0.55%	0.527%	0.023%	36.8	1.0	962.2
0.60%	0.574%	0.026%	40.1	1.1	958.8
0.65%	0.622%	0.028%	43.5	1.1	955.4
0.70%	0.670%	0.030%	46.8	1.2	951.9
0.75%	0.718%	0.032%	50.2	1.3	948.5
0.80%	0.766%	0.034%	53.5	1.4	945.1
0.85%	0.814%	0.036%	56.9	1.5	941.6
0.90%	0.862%	0.038%	60.2	1.6	938.2
0.95%	0.910%	0.040%	63.5	1.7	934.8
1.00%	0.957%	0.043%	66.9	1.8	931.3
1.05%	1.005%	0.045%	70.2	1.9	927.9
1.10%	1.053%	0.047%	73.6	1.9	924.5
1.15%	1.101%	0.049%	76.9	2.0	921.0
1.20%	1.149%	0.051%	80.3	2.1	917.6
1.25%	1.197%	0.053%	83.6	2.2	914.2
1.30%	1.245%	0.055%	87.0	2.3	910.7
1.35%	1.293%	0.057%	90.3	2.4	907.3
1.40%	1.340%	0.060%	93.6	2.5	903.9
1.45%	1.388%	0.062%	97.0	2.6	900.4
1.50%	1.436%	0.064%	100.3	2.6	897.0
1.55%	1.484%	0.066%	103.7	2.7	893.6
1.60%	1.532%	0.068%	107.0	2.8	890.1
1.65%	1.580%	0.070%	110.4	2.9	886.7
1.70%	1.628%	0.072%	113.7	3.0	883.3
1.75%	1.676%	0.074%	117.1	3.1	879.8
1.80%	1.723%	0.077%	120.4	3.2	876.4
1.85%	1.771%	0.079%	123.8	3.3	873.0
1.90%	1.819%	0.081%	127.1	3.4	869.5
1.95%	1.867%	0.083%	130.4	3.4	866.1
2.00%	1.915%	0.085%	133.8	3.5	862.7

