

64864-55

10/28/2013

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

OCT 28 2013

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

Mr. Andrew Kieniksmann
Regulatory Supervisor
Pace International LLC
5661 Branch Road
Wapato, WA 98951

Subject: Product Name: Pac-Chlor 12.5%
EPA Reg. No. 64864-55
Submission date: June 13, 2013
Amendment: Label amendment to add emergency contact information, revise container handling language (PR 2007-4) and revise warranty language.

Dear Registrant:

The amendment referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act, as amended, is unconditionally acceptable under 3(c)(5).

One copy of the label stamped "Accepted" is enclosed for your records. This label supersedes all labels previously accepted for this product. Please submit one copy of the final printed label before the product is released for shipment.

If you have questions concerning this letter, please call Owen Beeder at 703-308-8899 or via e-mail at beeder.owen@epa.gov or you may call me at 703-305-6701.

Sincerely,

A handwritten signature in black ink, appearing to read "Richard Gebken".

Richard Gebken
Product Manager 10
Insecticide Branch
Registration Division (7505P)

Pac-Chlor 12.5%

For post-harvest sanitization of organisms causing decay of fruits and vegetables.

ACTIVE INGREDIENT:

Sodium hypochlorite 12.5%

OTHER INGREDIENTS: 87.5%

Total..... 100.0%

1.2 lbs available chlorine/gallon

EPA Reg. No. 64864-55

EPA Est. No. 64864-WA-1

KEEP OUT OF REACH OF CHILDREN DANGER

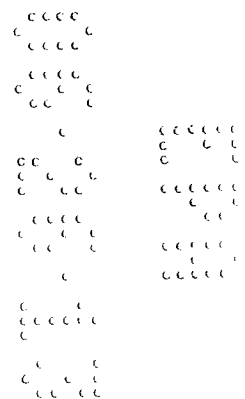
FIRST AID	
If in eyes	<ul style="list-style-type: none"> • Hold eye open and rinse slowly and gently with water for 15 – 20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. • Call a poison control center or doctor for treatment advice.
If on skin or clothing	<ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • 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.
NOTE TO PHYSICIAN	
Probable mucosal damage may contraindicate the use of gastric lavage	
Have the product container or label with you when calling a poison control center or doctor, or going for treatment. For emergency information concerning this product, call the National Pesticides Information Center (NPIC) at 1-800-858-7378 Monday through Friday, 7:30 am to 3:30 pm Pacific Time. During other times, call the poison control center at 1-800-222-1222.	

Net Contents: ___ Gallons (___ Liters)

DOT Shipping Name: Hypochlorite Solutions, 8, UN 1791, III

Distributed by:
Pace International, LLC
5661 Branch Road
Wapato, WA 98951
800-936-6750

ACCEPTED
 OCT 28 2013
 Under the Federal Insecticide,
 Fungicide, and Rodenticide Act,
 as amended, for the pesticide
 registered under
 EPA Reg. No. 64864-55



**PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

DANGER. Corrosive. May cause severe irritation or chemical burns to broken skin. Causes eye damage. Wear goggles or face shield and rubber gloves when handling this product. Wash thoroughly after handling. Remove and wash contaminated clothing promptly. Avoid breathing vapors and mist. Use with adequate ventilation. Vacate poorly ventilated areas as soon as possible. Do not return until odors have dissipated.

ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish and aquatic organisms. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination Systems (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product into sewer systems without previously notifying the local sewage treatment plant authority. For guidance, contact your state water board or regional office of the EPA.

PHYSICAL AND CHEMICAL HAZARDS

Strong oxidizing agent. Mix only with water according to label directions. Mixing this product with chemicals (e.g. ammonia, acids, detergents, etc.) or organic matter (e.g. urine, feces, etc.) will release chlorine gas which is irritating to eyes, lungs and mucous membranes.

DIRECTIONS FOR USE

IT IS A VIOLATION OF FEDERAL LAW TO USE THIS PRODUCT IN A MANNER
INCONSISTENT WITH ITS LABELING.

SANITIZATION OF NONPOROUS FOOD CONTACT SURFACES

RINSE METHOD: A solution of 100 ppm available chlorine may be used in the sanitizing solution if a chlorine test kit is available. Solutions containing an initial concentration of 100 ppm available chlorine must be tested and adjusted periodically to insure that the available chlorine does not drop below 50 ppm. Prepare a 100 ppm sanitizing solution by thoroughly mixing 1 oz of this product with 10 gallons of water. If no test kit is available, prepare a sanitizing solution by thoroughly mixing 2 oz of this product with 10 gallons of water to provide approximately 200 ppm available chlorine by weight.

Clean equipment surfaces in the normal manner. Prior to use, rinse all surfaces thoroughly with the sanitizing solution, maintaining contact with the sanitizer for at least 2 minutes. If solution contains less than 50 ppm available chlorine, as determined by a suitable test kit, either discard the solution or add sufficient product to reestablish a 200 ppm residual. Do not rinse equipment with water after treatment and do not soak equipment overnight.

Sanitizers used in automated systems may be used for general cleaning, but may not be re-used for sanitizing purposes.

AGRICULTURAL USES – FRUIT & VEGETABLE SANITIZATION

APPLICATION: For recommended concentration of available chlorine for various agricultural commodities to be treated, see table below. To obtain a 100 ppm solution of chlorine, add one ounce of Pac-Chlor 12.5% to 10 gallons of water. Use of an acid buffer to control pH is highly recommended. For other application rates, dilute accordingly.

Note: This product degrades with age. Monitoring chlorine level and increasing dosage, as necessary, is recommended to obtain the required level of available chlorine. Since chlorine reacts readily with dirt and other organic matter in dip tanks, the concentration should be checked at least three to four times each day by use of chlorometric or titrimetric kit. Once opened, use the entire contents of the container within 30 days.

Recommended levels of chlorine:

<u>Commodity</u>	<u>ppm of available chlorine to use</u>
Apple	150-200
Artichokes	100-150
Asparagus	125-150
Brussels Sprouts	100-150
Carrots	100-200
Cauliflower	300-400
Celery	100-110
Cherry	75-100
Chopped Cabbage ²	80-100
Chopped Lettuce ²	80-100
Citrus Fruit	125-200
Cucumbers	300-350
Green Onions	75-120
Melons ⁵	100-150
Mushrooms ³	100-120
Peaches, Plums & Nectarines	50-100
Pears	200-300
Peppers ^{1,4}	300-400
Pomegranates	200
Potatoes ^{1,4}	65-125
Radishes	100-150
Stone Fruit (Hydro-cooler)	30-75
Tomatoes	300-350

Note:

1. Concentration given for use in flow through washer systems only.
2. After treatment, the adhered moisture must be removed by a centrifugation process.
3. After treatment with the chlorinated water, mushrooms must be treated with an approved anti-oxidant to prevent browning.
4. For treating peppers in a dump tank use 100-135 ppm Cl₂;
For treating potatoes in a pit system use 100-150 ppm Cl₂;
For treating tomatoes in a dump tank system use 70-120 ppm Cl₂.
5. For hydro-cooler use 10 ppm.

STORAGE & DISPOSAL

Do not contaminate food, or feed by storage, disposal or cleaning of equipment.

Pesticide Storage: Store this product in a cool, dry, well-ventilated area away from direct sunlight and heat to avoid deterioration. In case of spill, flood areas with large quantities of water.

Pesticide Disposal: Product or rinsate that cannot be used should be diluted with water and disposed of in a sanitary sewer.

Container Handling: Refillable container. Refill this container with sodium hypochlorite solution only. Do not reuse this container for any other purpose. Cleaning the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller. To clean the container before final disposal, empty the remaining contents from this container into application equipment or mix tank. Fill the container about 10 percent full with water. Agitate vigorously or recirculate water with the pump for 2 minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure two more times.

IMPORTANT: Read the information below before using this product. If the terms are not acceptable, you should return the unopened product container immediately for a complete refund.

LIMITED WARRANTY, TERMS OF SALE, AND LIMITATION OF LIABILITY

Upon purchase or use of this product, purchaser and user agree to the following terms:

Warranty: Pace International, LLC (the Company) warrants that this product conforms to the chemical description on the label in all material respects. To the extent consistent with applicable law, except as expressly stated in the foregoing sentence, the Company makes no further warranties and expressly disclaims any implied warranties of merchantability or fitness for a particular purpose and any representation or warranty.

Terms of Sale: The Company's directions for use of this product must be followed carefully. It is impossible to eliminate all risks inherently associated with use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials, and the manner of use or application (including failure to adhere to label directions), all of which are beyond the Company's control. To the extent consistent with applicable law, all such risks are assumed by the user.

Limitations of Liability: To the extent consistent with applicable law, the exclusive remedy against the Company for any cause of action relating to the handling or use of this product is a claim for damages, and in no event shall damages or any other recovery of any kind exceed the price of the product which caused the alleged loss, damage, injury, or other claim. To the extent consistent with the applicable law, under no circumstances shall the company be liable for any special, indirect, incidental, or consequential damages of any kind, including loss of profits or income.

To the extent consistent with applicable law, the Company and the seller offer this product, and the purchaser and user accept this product, subject to the foregoing warranty, terms of sale, and limitation of liability, which may be varied or modified only by an agreement in writing signed on behalf of the Company by an authorized representative.

