

62495-20002

9/7/2001

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

SEP 7 2001

Petra Chemical Company
2929 Storey Lane
Dallas, Texas 75220

Attention: E.D. Canada, Jr.
Chemist

Subject: Sodium Hypochlorite Solution 10.0%
EPA Registration Number 62495-20002
Your Amendment Dated August 21, 2001

The amendment referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, to revise PR Notices 2001-1 is acceptable provided that you make the labeling changes listed below before you release the product for shipment bearing the amended label.

1. Revise the "Environmental Hazards Statement" to read:

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 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 EPA".

2. The correct name for this product is "Sodium Hypochlorite Solution 10.0%" and not Petra Chlor Sodium Hypochlorite Solution". If you wish to change the name of your product, you must submit to the Agency a amendment requesting a product name change.

A stamped copy is enclosed for your records. Submit one copy of the final printed label before you release the product for shipment bearing the amended label.

| CONCURRENCES | | | | | | | |
|--------------|--|--|--|--|--|--|--|
| SYMBOL | | | | | | | |
| SURNAME | | | | | | | |
| DATE | | | | | | | |

If you have any questions regarding this letter, please contact Delores Williams at (703) 308-6372.

Sincerely,



Robert S. Brennis
Product Manager 32
Regulatory Management Branch II
Antimicrobials Division (7510C)

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

CORROSIVE, MAY CAUSE SEVERE SKIN AND EYE IRRITATION OR CHEMICAL BURNS TO BROKEN SKIN. CAUSES EYE DAMAGE. DO NOT GET IN EYES, ON SKIN OR IN CLOTHING. WEAR SAFETY GLASSES OR GOGGLES OR FACE SHIELD AND RUBBER GLOVES WHEN HANDLING THIS PRODUCT. WASH AFTER HANDLING. AVOID BREATHING VAPORS. VACATE POORLY VENTILATED AREAS AS SOON AS POSSIBLE. DO NOT RETURN UNTIL STRONG ODORS HAVE DISSIPATED.

ENVIRONMENTAL HAZARDS:

THIS PRODUCT IS TOXIC TO FISH. KEEP OUT OF LAKES, STREAMS, PONDS, OR PUBLIC WATERWAYS UNLESS IN ACCORDANCE WITH NPDES PERMIT. FOR GUIDANCE, CONTACT THE REGIONAL OFFICE OF THE U.S. ENVIRONMENTAL PROTECTION AGENCY.

**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 MANNER
INCONSISTENT WITH ITS LABELING.**

STORAGE AND DISPOSAL

PROHIBITIONS: DO NOT CONTAMINATE FOOD OR FEED BY STORAGE, DISPOSAL OR CLEANING OF EQUIPMENT.

STORE THIS PRODUCT IN A COOL DRY 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 RINSATES THAT CANNOT BE USED SHOULD BE DILUTED WITH WATER BEFORE DISPOSAL IN A SANITARY SEWER.

CONTAINER DISPOSAL: RINSE EMPTY CONTAINER WITH WATER AND EITHER RETURN TO MANUFACTURER, OR DISCARD BY PLACING THIS CONTAINER IN TRASH COLLECTION OR BURYING IN AN APPROVED LANDFILL.

**PETRA C
SODIUM HYPOCHLORITE**

Disinfectant — Germicide

ACTIVE INGREDIENTS:

SODIUM HYPOCHLORITE

INERT INGREDIENTS

KEEP OUT OF REACH OF CHILDREN

- 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 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
 - Call a poison control center or doctor for treatment advice.

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

HOTLINE NUMBER

Have the product container or label with you when calling a poison control center or doctor for treatment. You may also contact 1-800-424-9300 for emergency information.

NOTE TO PHYSICIAN

Possible mucosal damage may contraindicate use.

EPA REG. NO. 62495-20002

NET CONTENTS:

55 U.S. GALLONS (207.91)

12.5% Trade Percent

Sodium Hypochlorite

(12.5% Av. Chlorine by Vol.)

**Shown at 100% Actual Size (22" x 6.25")
Colors: Black**

(Exterior dotted line for visual purposes only and does not print)

DIRECTIONS FOR USE

IT IS A VIOLATION OF FEDERAL LAW TO USE THIS PRODUCT IN A MANNER INCONSISTENT WITH ITS LABELING.
NOTE: THIS PRODUCT DEGRADES WITH AGE. USE A CHLORINE TEST KIT AND INCREASE DOSAGE, AS NECESSARY, TO OBTAIN THE REQUIRED LEVEL OF AVAILABLE CHLORINE.

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 1.5 oz. of this product with 10 gallons of water. If no test kit is available, prepare a sanitizing solution by thoroughly mixing 3 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.

IMMERSION 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 1.5 oz. of this product with 10 gallons of water. If no test kit is available, prepare a sanitizing solution by thoroughly mixing 3 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, immerse the equipment in the sanitizing solution for at least 2 minutes and allow the sanitizer to drain. 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. Sanitizers used in automated systems may be used for general cleaning but may not be re-used for sanitizing purposes.

FLOW/PRESSURE METHOD- Disassemble equipment and thoroughly clean after use. Assemble equipment in operating position prior to use. Prepare a volume of 200 ppm available chlorine sanitizing solution equal to 110% of volume capacity of the equipment by mixing the product in a ratio of 3 oz. product with 10 gallons of water. Pump solution through the system until full flow is obtained at all extremities, the system is completely filled with sanitizer and all air is removed from the system. Close drain valves and hold under pressure for at least 2 minutes to insure contact with all internal surfaces. Remove some solution from drain valve and test with a chlorine test kit. Repeat entire cleaning/sanitizing process if effluent contains less than 50 ppm available chlorine. Rinse system with potable water prior to use.

CLEAN-IN-PLACE METHOD- Thoroughly clean equipment after use. Prepare a volume of 200 ppm available chlorine sanitizing solution equal to 110% volume capacity of the equipment by mixing the product in a ratio of 3 oz. product with 10 gallons of water. Pump solution through the system until full flow is obtained at all

extremities, the system is completely filled with sanitizer and all air is removed from the system. Close drain valves, and hold under pressure for at least 10 minutes to insure contact with all internal surfaces. Remove some solution from drain valve and test with a chlorine test kit. Repeat entire cleaning/sanitizing process if effluent contains less than 50 ppm available chlorine. Rinse system with potable water prior to use.

SPRAY/FOG METHOD- Pre-clean all surfaces after use. Use a 200 ppm available chlorine solution to control bacteria, mold or fungi and a 600 ppm solution to control bacteriophage. Prepare a 200 ppm sanitizing solution of sufficient size by thoroughly mixing the product in a ratio of 3 oz. product with 10 gallons of water. Prepare a 600 ppm solution by thoroughly mixing the product in a ratio of 9 oz. product with 10 gallons of water. Use spray or fogging equipment which can resist hypochlorite solution. Always empty and rinse spray/fog equipment with potable water after use. Thoroughly spray or fog all surfaces until wet, allowing excess sanitizer to drain. Vacate area for at least 2 hours. Prior to using equipment, rinse all surfaces treated with a 600 ppm solution with a 200 ppm solution.

DISINFECTION OF DRINKING WATER (EMERGENCY/INDIVIDUAL SYSTEMS)

INDIVIDUAL WATER SYSTEMS: DRILLED, DRIVEN AND BORED WELLS- Run pump until water is as free from turbidity as possible. Pour a 100 ppm available chlorine sanitizing solution into the well. This solution can be made by thoroughly mixing 1.5 oz. of this product into 10 gallons of water. Add 5 to 10 gallons of clean, chlorinated water to the well in order to force the sanitizer into the rock formation. Wash the exterior of the pump cylinder with the sanitizer. Drop pipeline into well, start pump and pump water until strong odor of chlorine in water is noted. Stop pump and wait at least 24 hours. After 24 hours flush well until all traces of chlorine have been removed from the water. Deep wells with high water levels may necessitate the use of special methods for introduction of the sanitizer into the well. Consult your local health department for further details.

EMERGENCY DISINFECTION: When boiling of water for 1 minute is not practical, water can be made potable by using this product. Prior to the addition of the sanitizer remove all suspended material by filtration or by allowing it to settle to the bottom. Decant the clarified, contaminated water to a clean container and 10 drops of this product to 20 gallons of water. Allow treated water to stand for 30 minutes. Properly treated water should have a slight chlorine odor; if not, repeat dosage and allow water to stand an additional 15 minutes. The treated water can be made palatable by pouring it between clean containers several times.

AGRICULTURAL USES

FOOD EGG SANITATION: Thoroughly clean all eggs. Thoroughly mix 3 oz. of this product with 10 gallons of warm water to produce a 200 ppm available chlorine solution. The sanitizer temperature should not exceed 130°F. Spray the sanitizer so that the eggs are thoroughly wetted. Allow the eggs to thoroughly dry before casing or breaking. Do not apply a potable water rinse. The solution should not be re-used to sanitize eggs.

FRUIT AND VEGETABLE WASH: Thoroughly clean all fruits and vegetables in a wash tank. Thoroughly mix 7.5 oz. of this product in 200 gallons of water to make a sanitizing solution of 25 ppm available chlorine. After draining the tank, submerge fruit or vegetables for 2 minutes in a second wash tank containing the recirculating sanitizing solution. Spray rinse vegetables with sanitizing solution prior to packaging. Rinse fruit with potable water only prior to packaging.

HYPOCHLORITE SOLUTION

U3 1791 RQ

