

21718-20001

11-18-2003

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

NOV 18 2003

Mr. David L. Landesman
Duso Chemical Company Inc.
173 Smith Street
Poughkeepsie, NY 12601

Subject: Hypochlorite Solution
EPA Registration Number 21718-20001
Application Date: 8/31/03
Receipt Date: 9/8/03

Dear Mr. Landesman:

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

- To update the "first aid" statement in accordance with PR Notice 2001-1



- Revise the "Precautionary Statements" to read:

DANGER: Corrosive, may cause severe skin and eye irritation or chemical burns to broken skin. Causes eye damage. Wear safety glasses or goggles and runner 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.

- Under the "Directions for Use" revise the heading "User Please Note" to read: "Note".
- Delete "Manufactured with pride and care by: H. Krevit & Company, Inc., the EPA Reg. No. 52483-1 and EPA Est. No. 52483-CT-001".
- Delete "UN-1791 - CAS # 7681-52-9" it has no relevance to this label.
- Change the heading "Directions for Sanitizing and Deodorizing Food Processing Dairy Farm, Hotel, Restaurant and Tavern Equipment" to read: "Sanitization of Nonporous Non-food Contact Surfaces".

CONCURRENCES

SYMBOL								
SURNAME								
DATE								

General Comments

A stamped copy of the accepted labeling is enclosed. Submit three (3) copies of your final printed labeling before distributing or selling the product bearing the revised labeling.

Should you have any questions or comments concerning this letter, please contact Delores Williams at (703) 308-6372.

Sincerely,



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



This product Certified by NSF
The maximum allowable dose is:
88 mg./Lit. (or 315 mg/gallon)

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

CORROSIVE, may cause severe skin irritation or chemical burns to broken skin. Causes eye damage. Do not get in eyes, on skin, or on clothing. Wear goggles or face shield and rubber gloves when handling this product. Wash after handling. Avoid breathing vapors. Vacate poorly vented 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 public 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 into sewer systems without previously notifying the sewage treatment plant authority. For guidance, contact your State Water Board or Regional Office of the EPA.

PHYSICAL & CHEMICAL HAZARDS:
STRONG OXIDIZING AGENT: Mix only with water according to label directions. Mixing this product with gross filth such as feces, urine, etc., or with ammonia, acids, detergents or other chemicals may release hazardous gases irritating to eyes, lungs and mucous membranes.

See M.S.D.S. for additional precautions.

Distributed By:



Duso Chemical Co, Inc.
173 Smith Street
Poughkeepsie, NY 12601
Tel: (845) 454-6500
Fax: (845) 454-0188
E.P.A. REG. NO. 21718-20001
E.P.A. EST. NO. 52483-CT-001

**HYPOCHLORITE
SOLUTION**

Active Ingredient:
Sodium Hypochlorite..... 12.50%
Inert Ingredients..... 87.50%

**KEEP OUT OF REACH
OF CHILDREN
DANGER**

FIRST AID

- IF IN EYES**
 - Hold eyes 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 further 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 further treatment advice.
 - IF SWALLOWED**
 - Call a poison control center or doctor for further 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.
- HOT LINE NUMBER**
Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1 (800) 922-6626 for emergency medical treatment information. Note to Physicians: Probable mucosal damage may contraindicate the use of gastric lavage.

UN-1791
C.A.S.# 7681-52-9



DIRECTIONS FOR USE: It is a violation of Federal Law to use this product in a manner inconsistent with it

SWIMMING POOL WATER DISINFECTION

FOR A NEW POOL OR SPRING START UP - superchlorinate with 52 to 104 oz. of this product for each ten thousand gallons of pool water to yield 5 to 10 ppm available chlorine by weight. Check level of available chlorine with a test kit. Adjust and maintain water PH to between 7.2 and 7.6. Adjust and maintain the alkalinity of the pool to between 50 to 100 ppm.

TO MAINTAIN THE POOL - add manually or by feeder device 11oz. of this product for each ten thousand gallons of pool water to yield an available chlorine residual between 0.6 and 1.0 ppm by weight. Stabilized pools should maintain a residual of 1.0 to 1.5 ppm available chlorine. Test the PH, available chlorine residual and alkalinity of the water frequently with the appropriate test kits. Frequency of water treatment will depend upon temperature and number of swimmers.

EVERY 7 DAYS - or as necessary, SUPERCHLORINATE the pool with 52 to 104 oz. of this product for each ten thousand gallons of pool water to yield 5 to 10 ppm available chlorine by weight. Check the level of available chlorine with a test kit. Do not re-enter the pool until the chlorine residual is between 1.0 and 3.0 ppm.

AT THE END OF THE SWIMMING POOL SEASON - or whenever water is to be drained from the pool, chlorine must be allowed to dissipate from treated pool water before discharge. Do not chlorinate the pool within 24 hours prior to discharge.

WINTERIZING POOLS - While water is still clear and clean, add 3.0 oz. of this product per one thousand gallons of pool water, while the filter is running, to obtain a 3 ppm available chlorine residual, as determined by a suitable test kit. Cover pool, prepare heater, filter and heater components for winter by following manufacturers' instructions.

USER PLEASE NOTE: This product degrades with age. Use a chlorine test kit and increase dosage as necessary, to obtain the required level of available chlorine.

SPAS, HOT TUBS, IMMERSION TANKS, ETC. SPAS/HOT TUBS:

- Apply 5 OZ. of product per 1000 gallons of water to obtain a free available chlorine residual of 5 ppm, as determined by a suitable chlorine test kit. Adjust and maintain pool water pH to between 7.2 and 7.6. Some oils, lotions, fragrances, cleaners, etc. may cause foaming or cloudy water as well as reduce the efficiency of the product.

DIRECTIONS FOR SANITIZING AND DEODORIZING FOOD PROCESSING, DAIRY FARM, HOTEL, RESTAURANT AND TAVERN EQUIPMENT - IMMERSION METHOD:

Prepare a sanitizing solution by thoroughly mixing, in an immersion tank, 2 oz. of this product with 10 gallons of water to provide approximately 200 ppm of available chlorine by weight. Clean equipment in the normal manner. Prior to use, immerse equipment in the sanitizing solution for at least 2 minutes and allow the sanitizer to drain. Do not rinse equipment in water after treatment.

LAUNDRY SANITIZERS: Household Laundry Sanitizers: IN SOAKING SUDS -

Thoroughly mix 2 oz. of this product to 10 gallons of wash water to provide 200 ppm available chlorine. Wait 5 minutes then add soap or detergent. Immerse laundry for at least 11 minutes prior to starting wash/rinse cycle. **IN WASHING SUDS** - Thoroughly mix 2 oz. of this product to 10 gallons of wash water containing clothes to provide 200 ppm available chlorine. Wait 5 minutes then add soap or detergent and start the wash/rinse cycle. **Commercial Laundry Sanitizers:** Wet fabrics or clothes should be spun dry prior to sanitization. Thoroughly mix 2 oz. of this product to 10 gallons of wash water to provide 200ppm available chlorine. Promptly after mixing the sanitizer, add the solution into the prewash prior to washing fabrics/clothes in the regular wash cycle with a good detergent. Test the level of available chlorine, if solution has been allowed to stand. Add more of this product if the available chlorine level has dropped below 200 ppm.

SEWAGE AND WASTEWATER TREATMENT

Effluent Slime Control: Apply a 100 to 1000 ppm available chlorine solution. Prepare this solution by mixing 10 to 100 oz. of this product. **Effluent Slime Control:** Apply a 15 ppm available chlorine solution. Prepare this solution by mixing 10 to 100 oz. of this product. **Remove filter from sand:** and add 80 oz. of product per 20 sq./ft. evenly over the sand to a level that is even with the top of the filter. Wait for backwashing filter.

DIRECTIONS FOR DISINFECTION OF POTABLE WATER

ratio of 1 oz. of this product to 100 gallons of water. Add hypochlorinator until free available chlorine residual of 0.6 ppm is obtained throughout the distribution system. Bacteriological sampling should be made more than that prescribed by the National Public Health Department for further details.

COOLING TOWER / EVAPORATIVE CONDENSER

Slug Feed Method - Install a slug feed system to obtain from control is achieved. If evident, add 1 oz. of this product per 1000 gallons of water in the system.



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STORAGE AND DISPOSAL:

Store this product in a cool dry area, away from direct sun of spill, flood area with large quantities of water. Product diluted with water before disposal in a sanitary sewer. Do not collect. Do not contaminate food or feed by storage, disposal.

Manufactured with pride and care by: **H. Krevit & Company, Inc.** E.P.A. REG. NO. 52483-1 E.P.A. EST. NO. 52483-CT-001

WARNING: - IMMEDIATELY AND REFRILLABLE CONTAINER: WARNING: It is potentially very dangerous and unlawful to put any chemical into this container other than that which is detailed on the label. Anyone that violates this warning may face fines and a reporting to the U.S. Department of Transport and/or The Department of Environmental Protection. Samples of container residues will be analyzed. Container must be clean of all foreign matter and residue and all caps must be replaced and tightened before return. Deposit refunds will only be issued after inspection of the returned container.

Buyer Read: This information is taken from sources believed to be reliable and is offered in good faith. However, the distributor makes no warranty as to the absolute correctness or sufficiency of any of the foregoing or that additional or other measures may not be required under particular conditions. In addition, many of the products we sell can be extremely dangerous or fatal if they are not handled and used according to accepted industry standards. We have no control over the mis-use or mis-handling of any of our products once they leave our possession. Therefore the distributor assumes no and is not responsible for the improper use, handling or storage of any products we sell. And, no warranty of any kind, expressed or implied, is made concerning the use of this product. User assumes all risk and liability from handling, use or application.