



U.S. ENVIRONMENTAL PROTECTION AGENCY  
Office of Pesticide Programs  
Antimicrobials Division (7510C)  
401 "M" St., S.W.  
Washington, D.C. 20460

EPA Reg. Number:  
10679-11

Date of Issuance:  
Mar. 13, 2002

Term of Issuance: Conditional

Name of Pesticide Product:  
Sodium Hypochlorite 10%

NOTICE OF PESTICIDE:

- Registration
- Reregistration

(under FIFRA, as amended)

Name and Address of Registrant (include ZIP Code):

Mid-State Chemical and Supply Corp.  
2100 Greenbrier Lane  
Indianapolis, IN. 46218

**Note:** Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Antimicrobials Division prior to the use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby registered/reregistered under the Federal Insecticide, Fungicide and Rodenticide Act. Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product is conditionally registered in accordance with FIFRA Sec. 3(c)(7)(A) provided you:

1. Submit and/or cite all data required for registration/reregistration of your product under FIFRA Sec. 3(c)(5) when the Agency requires all registrants of similar products to submit such data.
2. Revise the EPA File symbol 10679-RR to EPA Registration Number 10679-11.
3. Change Statement of Practical Treatment to First Aid and revise treatments as follows:

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 further treatment advice.

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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.

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.

Have the product container or label with you when calling a poison center or doctor, or going for treatment. You may also contact 1 (800) 873-1138 for emergency medical treatment information.

**Note to Physician:** Probable mucosal damage may contraindicate the use of gastric lavage.

4. Delete phrase Total 100% and line up <sup>90%</sup>~~87.5%~~ under <sup>10%</sup>~~12.5%~~.

5. Submit two copies of the revised final printed label for our records before shipment.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA sec. 6(e). Your release for shipment of the product constitutes acceptance of these conditions. A stamped copy of the label is enclosed for your records.

Signature of Approving Official:

Robert S. Brennis  
Product Manager 32

Date:

MAR 13 2002

MID-STATE  
CHEMICAL & SUPPLY CORP.



2100 Greenbrier Lane Indianapolis, IN 46218 (317) 925-1407

EPA REG. NO.  
EPA EST. NO. 10679-IN-01



H	2
HEALTH	
F	0
FLAMMABILITY	
R	2
REACTIVITY	
PERSONAL PROTECTION	C

DOT SHIPPING NAME:  
Hypochlorite Solutions  
(10%)

UN1791

REPORTABLE  
QUANTITY:  
100 lbs.  
C.A.S. NUMBER  
7681-52-9

MATERIAL SAFETY  
DATA SHEET  
AVAILABLE

NET CONTENTS: \_\_\_\_\_ GALLONS

# SODIUM HYPOCHLORITE

**KEEP OUT OF REACH OF CHILDREN  
DANGER**

**STATEMENT OF PRACTICAL TREATMENT (FIRST AID)**  
IF CONTACT WITH EYES OCCUR, flush with water for at least 15 minutes. Get prompt medical attention.  
IF CONTACT WITH SKIN OCCURS, wash with plenty of soap and water.  
IF SWALLOWED, drink large amounts of water. DO NOT induce vomiting. Call a physician or poison control center immediately.

**PRECAUTIONARY STATEMENTS**  
**HAZARDS TO HUMANS AND DOMESTIC ANIMALS**  
DANGER: Corrosive, may cause severe skin and eye irritation or chemical burn broken skin. Causes eye damage. Wear safety glasses or goggles and rubber gloves when handling this product. Wash after handling. Avoid breathing vapors. Use poorly ventilated areas as soon as possible. Do not return until strong odors dissipated.

**ENVIRONMENTAL HAZARDS**  
This pesticide is toxic to fish and aquatic organisms. Do not discharge or contain 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.

**PHYSICAL OR CHEMICAL HAZARDS**  
**STRONG OXIDIZING AGENT:** Mix only with water according to label directions. Mix this product with chemicals (e.g. ammonia, acids, detergents, etc.) or organic materials (e.g. urine, feces, etc.) will release chlorine gas which is irritating to eyes, lung and mucous membranes.

**DIRECTIONS FOR USE**  
It is a violation of federal law to use this product in a manner inconsistent with 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.

**STORAGE AND DISPOSAL**  
Store this product in a cool dry area, away from direct sunlight and heat to prevent deterioration. In case of spill, flood areas with large quantities of water. Products that cannot be used should be diluted with water before disposal in a sewer. Do not reuse container but place in trash collection. Do not contaminate feed by storage, disposal or cleaning of equipment.

**FOR REFUND OF CONTAINER DEPOSIT**  
Drain container completely, replace bungs, return promptly.

ACCEPTED  
with COMMENTS  
in EPA Letter Dated:

MAR 13 2002

Under the Federal Insecticide,  
Fungicide and Rodenticide Act as  
amended, for the pesticide,  
registered under EPA Reg. No.

10679-11

Overall label size is  
18.25" x 6"

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# SODIUM HYPOCHLORITE 10% ACTIVE INGREDIENT: Sodium Hypochlorite 10% INERT INGREDIENTS: 90% TOTAL 100%

**KEEP OUT OF REACH OF CHILDREN  
DANGER**

**STATEMENT OF PRACTICAL TREATMENT (FIRST AID)**

- CONTACT WITH EYES OCCUR, flush with water for at least 15 minutes. Get prompt medical attention.
- CONTACT WITH SKIN OCCURS, wash with plenty of soap and water.
- SWALLOWED, drink large amounts of water. DO NOT induce vomiting. Call a physician or poison control center immediately.

**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. Wear safety glasses or goggles 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 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.

**PHYSICAL OR 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.

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

**STORAGE AND DISPOSAL**

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. Product or rinsates that cannot be used should be diluted with water before disposal in a sanitary sewer. Do not reuse container but place in trash collection. Do not contaminate food or feed by storage, disposal or cleaning of equipment.

**FOR REFUND OF CONTAINER DEPOSIT**

Drain container completely, replace bungs, return promptly.

**EMERGENCY ACTION**

Keep unnecessary people away. Keep upwind; stay out of low areas. Isolate hazard area and deny entry. Wear self-contained breathing apparatus and full protective clothing. EMERGENCY-CALL INFOTRAC (800) 535-5053

**SWIMMING POOL WATER DISINFECTION**

For a new pool or spring start-up, superchlorinate with 54 to 108 oz. of product for each 10,000 gallons of water to yield 5 to 10 ppm available chlorine by weight. Check the level of available chlorine with a test kit. Adjust and maintain pool water pH to between 7.2 to 7.6. Adjust and maintain the alkalinity of the pool to between 50 to 100 ppm. To maintain the pool, add manually or by a feeder device 12 oz. of this product for each 10,000 gallons of water to yield an available chlorine residual between 0.6 to 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 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 54 to 108 oz. of product for each 10,000 gallons of water to yield 5 to 10 ppm available chlorine by weight. Check the level of available chlorine with a test kit. Do not reenter pool until the chlorine residual is between 1.0 to 3.0 ppm. At the end of the swimming pool season or when 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, apply 4 oz. of product per 1000 gallons, while 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.

**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 concentration of 5 ppm, as determined by a suitable chlorine test kit. Adjust and maintain pool water pH to between 7.2 and 7.8. Some oils, lotions, fragrances, cleaners, etc. may cause foaming or cloudy water as well as reduce the efficiency of the product. To maintain the water, apply 5 oz. of product per 1000 gallons of water over the surface to maintain a chlorine concentration of 5 ppm. After each use, shock treat with 8 oz. of this product per 500 gallons of water to control odor and algae. During extended periods of disuse, add 4 oz. of product daily per 1000 gallons of water to maintain a 3 ppm chlorine concentration.

**SEWAGE AND WASTEWATER EFFLUENT TREATMENT**

The disinfection of sewage effluent must be evaluated by determining the total number of coliform bacteria and /or fecal coliform bacteria, as determined by the Most Probable Number (MPN) procedure, of the chlorinated effluent has been reduced to or below the maximum permitted by the controlling regulatory jurisdiction. On the average, satisfactory disinfection of secondary wastewater effluent can be obtained when the chlorine residual is 0.5 ppm after 15 minutes contact. Although the chlorine residual is the critical factor in disinfection, the importance of correlating chlorine

residual with bacterial kill must be emphasized. The MPN of the effluent, which is directly related to the water quality standards requirements, should be the final and primary standard and the chlorine residual should be considered an operating standard valid only to the extent verified by the coliform quality of the effluent. The following are critical factors affecting wastewater disinfection.

- MIXING:** It is imperative that the product and the wastewater be instantaneously and completely flash mixed to assure reaction with every chemically active soluble and particulate component of the wastewater.
- CONTACTING:** Upon flash mixing, the flow through the system must be maintained.
- DOSAGE/RESIDUAL CONTROL:** Successful disinfection is extremely dependent on response to fluctuating chlorine demand to maintain a predetermined, desirable chlorine level. Secondary effluent should contain 0.2 to 1.0 ppm chlorine residual after a 15 to 30 minute contact time. A reasonable average of residual chlorine is 0.5 ppm after 15 minutes contact time.

**PULP AND PAPER MILL PROCESS WATER SYSTEMS**

**SLUG FEED METHOD -**Initial Dose: When system is noticeably fouled, apply 54 to 108 oz. of this product per 10,000 gallons of water in the system to obtain from 5 to 10 ppm available chlorine. Repeat until control is achieved. Subsequent Dose: When microbial control is evident, add 12 oz. of this product per 10,000 gallons of water in the system daily, or as needed to maintain control and keep the chlorine residual at 1 ppm. Badly fouled systems must be cleaned before treatment is begun.

**LAUNDRY SANITIZERS**

**Household Laundry Sanitizers**

**IN SOAKING SUDS --**Thoroughly mix 3 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 the wash/rinse cycle.

**IN WASHING SUDS --**Thoroughly mix 3 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 to provide and start the wash/rinse cycle.

**COMMERCIAL LAUNDRY SANITIZERS**

Wet fabrics or clothes should be spun dry prior to sanitization. Thoroughly mix 3 oz. of this product with 10 gallons of water to yield 200 ppm 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.

MSBL001

ACCEPTED  
with COMMENTS  
in EPA Letter Dated:

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Overall label size is  
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