ADOX® 750
7.5% AQUEOUS SODIUM CHLORITE SOLUTION

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

DANGER: This product becomes a fire or explosion hazard if heated to dry. Highly corrosive, causes irreversible eye damage and skin burns. Do not get in eyes, on skin, or clothing. May be fatal if swallowed. Do not get on bare hands. Wear goggles, face shield and respirator gloves when handling. Wash thoroughly with soap and water after handling and before eating, drinking or using tobacco. Remove contaminated clothing at once to avoid a fire and wash separately before reuse. Avoid breathing fumes.

ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish and other aquatic organisms. Do not discharge effluent containing this product into lakes, streams, ponds, aquaculture areas and 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 sewage treatment plant authority for guidance. Contact your State Water Board or Regional Office of the EPA.

PHYSICAL OR CHEMICAL HAZARDS

DANGER: This product becomes a fire or explosion hazard if heated to dry. Strong oxidizing agent, mixes or spils into water only. Mixing with acids, or other chemicals may cause evolution of chlorine or chlorine dioxide gas which is toxic and may be explosive. Combustible materials contaminated with ADOX®750 may burn rapidly. Keep handling areas and equipment clean and free of oils, greases, combustibles and dust. Do not contaminate product with garbage, dirt, organic matter, paint products, sodium hydroxide, acids, vinegar, beverages, jams, jellies, dry goods or other foreign matter. Do not expose to hot surfaces, sparks, or open flames.

STORAGE AND DISPOSAL

DO NOT CONTAMINATE WATER, FOOD OR BY STORAGE OR DISPOSAL

STORAGE: Store tightly closed, in dry, well-ventilated areas. Avoid excessive heat or freezing. Protect from contact with other chemicals; avoid storage with organic chemicals, acids, reducing and combustible material. Keep container tightly closed when not in use. In case of spills, flush drain and spillage with water. Do not allow to come in contact with water. Do not allow to come in contact with water because this could produce a fire hazard. If fire should occur, use dry chemicals, water fog, high pressure streams or fog fires with other substances. Do not use water, sodium hydroxide, sodium carbonate, or acid, or any other alkali to extinguish this fire.

CONTAINER DISPOSAL:Followable container. Do not reuse or refill this container. Place the container in a suitable manner before emptying. Empty the remaining contents into the appropriate equipment such as a mixing tank equipped with suitable water-cooled mixing tank, and heat-resistant, anti-corrosive, lined mixing tanks. Do not use water for cooling. Replace and tighten. Containers with no content or that have been emptied. Containers shall not be used for the storage of other products. Containers shall not be used as a receptacle for hazardous waste. Contaminated containers may be disposed of as hazardous waste.

NOTES: Dollars expressly warrant that the product conforms to chemical description. There are no user instructions associated with the sale of the product unless explicitly included, but not limited to; the warnings of health for a particular purpose or use.

FIRST AID

IF IN EYES: Hold eyes open and rinse slowly and gently with running water for 15-20 minutes. Remove contact lenses, if present, after the first 8 minutes. Continue rinsing eyes. Call a poison control center or doctor for further treatment advice.

IF INHALED: Move person to fresh air. If person is not breathing, give artificial respiration; if breathing is difficult, give oxygen. Keep person at rest. 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 rinse mouth with water if able to do so. 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.

For 24 hour emergency information, please contact:
Chemtrec Toll Free: 1-800-354-1464 (USA, Canada, Puerto Rico, Virgin Islands: 1-800-227-1234)
Chemtrec (Emergency): 1-800-873-6445 (USA and Canada).

Handle the product container or label with you when calling a poison control center or doctor, or going to the hospital.

FOR INDUSTRIAL USE ONLY

KEEP OUT OF REACH OF CHILDREN DANGER!

DIRECTIONS FOR USE

It is a solution of sodium hypochlorite to use the product in a manner inconsistent with its labeling.

METHODS OF DISPOSAL

Use ADOX®750 with a chlorine dioxide generator to generate on site chlorine dioxide concentrations. ADOX® 750 can be used to form acidified sodium chloride solution by mixing the product with a sodium hydroxide solution (50% NaOH) acid such as chloride, phosphoric, hydrochloric or acetic acid.

Chlorine Dioxide Generators react ADOX®750 with other oxidizing chlorine or hydrochloric acid. The generated chlorine dioxide solution can be added in a point in the system to treat which ensures uniform mixing. Follow all instructions in the chlorine dioxide generator manual carefully. Always prepare and use chlorine dioxide solutions in a well-ventilated area.

APPLICATIONS

POC TABLE WATER AND WASTEWATER DISINFECTANT: For most applications, chlorine dioxide in solution should be produced from 0.25 to 0.75 ppm of chlorine dioxide residual concentration up to 0.3 ppm is sufficient to provide adequate disinfection. Typically, the lowest residual concentrations range from 0.25 to 0.75 ppm. Monitor the distribution system to ensure that the chlorine dioxide concentration does not exceed maximum contaminant level (MCL) of 1 mg/L in water, and that chlorine dioxide does not exceed its maximum residual concentration level (MRC) of 0.5 mg/L. For wastewater and sewage applications, residual chlorine dioxide concentrations up to 5.0 ppm are generally acceptable.

FOOD PROCESSING PLANTS, Dairies, Bottling Plants and Breweries: Food plants process water. For microbial control in typical food processing water systems, such as food transport, 1/100 water systems, waste treatment, and other water systems, apply ADOX®750 through a chlorine dioxide generator system to achieve a chlorine dioxide residual concentration ranging from 0.25 to 0.5 ppm. Residual concentrations of up to 0.5 ppm chlorine dioxide generated from ADOX®750 may also be used as a water sanitizer for refrigeration and evaporating cycles, and plant and process water, and animal products followed by a subsequent potable water rinse.

POULTRY AND ANIMAL FEED: Use ADOX®750 to generate chlorine dioxide for use as an antimicrobial agent in water used in poultry processing or as a substitute for chlorine dioxide for the disinfection of equipment, the food product, and the environment. Use of ADOX®750 to generate chlorine dioxide for use in the food product is determined by the appropriate method.

AGRICULTURAL AND TUNNEL CULTIVATION CLEANING: If the con- centration of chlorine dioxide generated from ADOX®750 is 0.5 ppm or higher, as determined by the appropriate method. ADOX®750 is used for the treatment of soil, seedlings, irrigation equipment, wiring, water paper, metal structures and other materials that may become contaminated with Funnel microorganisms. These systems require a chlorine dioxide residual concentration ranging from 0.5 ppm to 2 ppm. ONGOING CHLORINE DIOXIDE TREATMENTS: Control of microorganisms can be effectively accomplished by using ADOX®750 as directed in commercial or agricultural process or as a substitute for chlorine dioxide in commercial processes if chlorine dioxide residual concentration ranging from 0.25 to 0.5 ppm is required. Only the chlorine dioxide solution to be added is treated, e.g., to achieve soldering stability. SODIUS 35 is added to 250 ppm of sodium chloride and 1:1 to 1:2 parts of 250 ppm of sodium chloride and 1:1 parts of 250 ppm of sodium chloride. Add ADOX®750 to 1:1 to 1:2 parts of sodium dioxide and 1:1 to 1:2 parts of sodium chloride and 1:1 parts of 250 ppm of sodium chloride.

In food processing plants, POULTRY, MEAT, FISH DARBES AND BOTTLING PLANTS: Use as a terminal hot surface sanitizing rinse containing 1 to 25 ppm of sodium hypochlorite and 1:3 parts of ADOX®750 and 1:3 parts of sodium carbonate, sodium hydroxide solution, and 1:1 parts of 250 ppm of sodium chloride. Do not report a subsequent potable water rinse.

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REO. No. 1518-8
EPA Est. No. 05183-0501-1
5250 CARON DR
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71824-4A-301
4184-PH-08-30
70215-45-08-30

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